



天线性能测试报告			
客户名称	云天	射频工程师	肖强
项目名称	Y6601A	结构工程师	黄振明
天线频段	WCDMA+850/900/1700/1900/2100 LTE-FDD-B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/30/66/71 LTE-TDD-B34/38/39/40/41+WIFI/BT		
报告版本	时间	内容概括	
V1.0	2025-1-16	天线性能测试报告	

测试报告目录

- I. 整机效果图
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- VI. 环境处理
- VII. 备注

一 整机效果图

整机正反面，如图：



三 天线逻辑

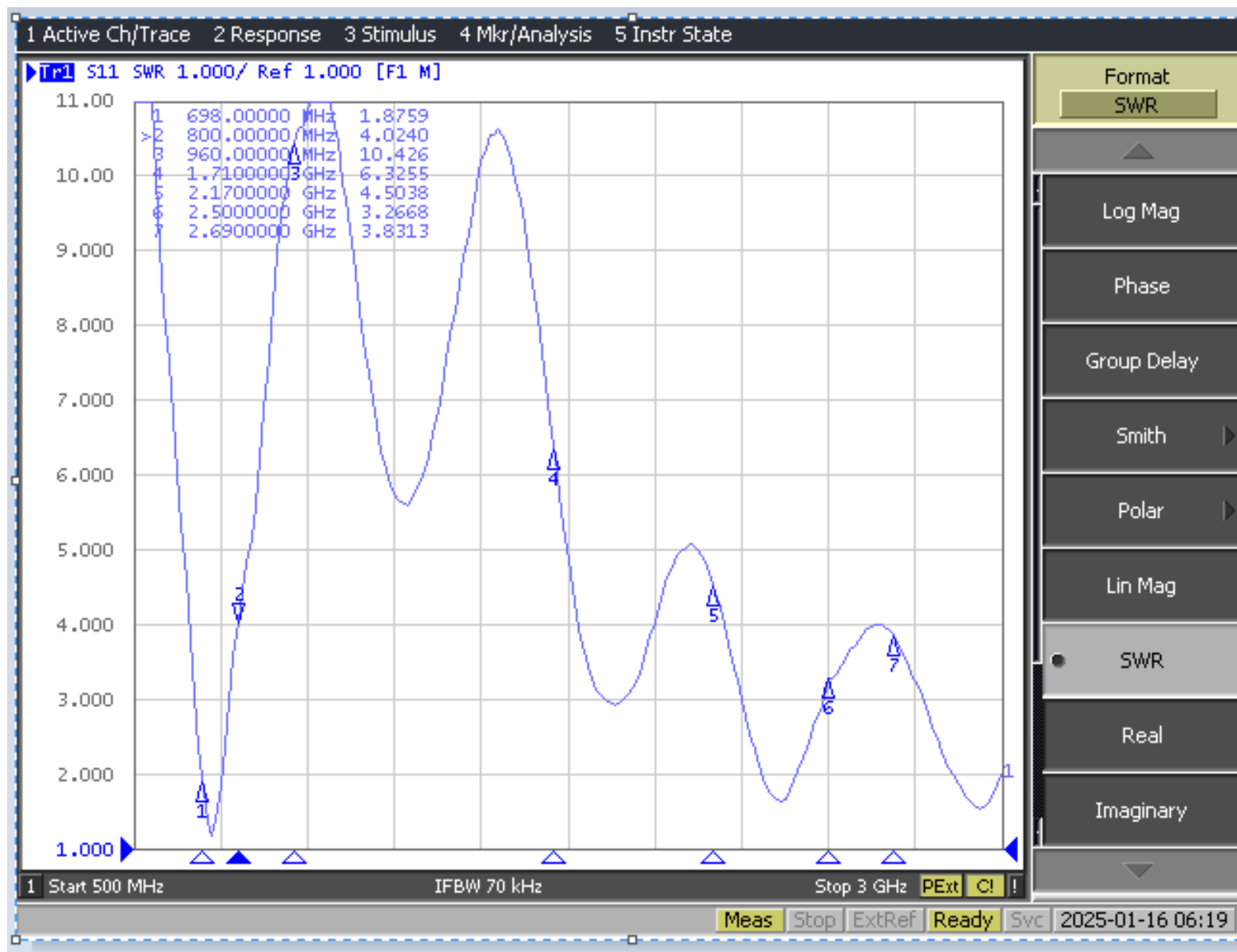
主天线射频调谐开关逻辑

RF1 : 0 Ω	WCDMA-B1/2+LTE-B1/2/12/13/17/28/25/30/34/39
RF2 : 10NH	LTE- B71
RF3 : 3.9NH	LTE-B7/38/40/41
RF4 :	

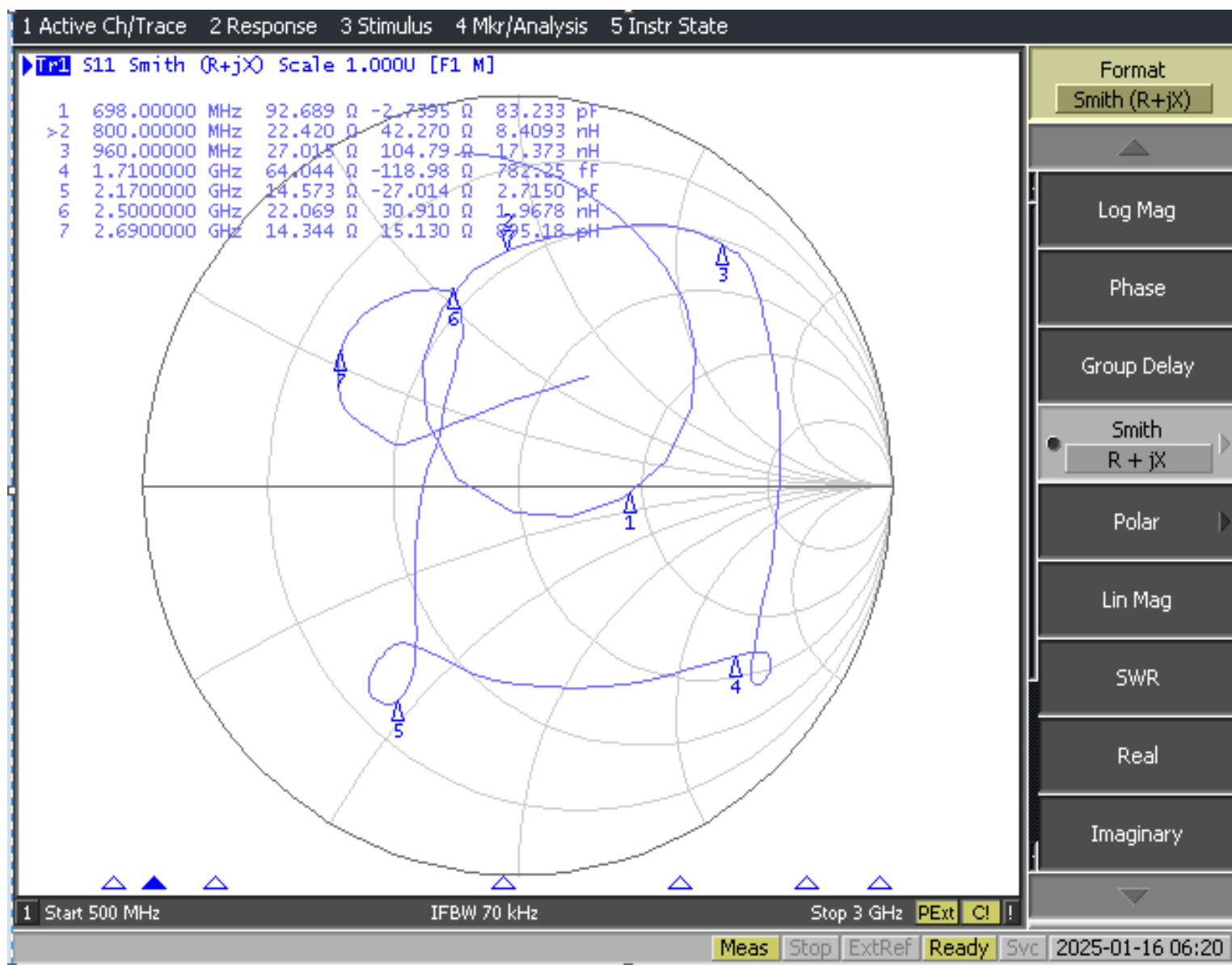
分集天线射频调谐开关逻辑

RF1 : 0 Ω	WCDMA-B8+LTE-B8
RF2 : 4.3NH	WCDMA-B5+LTE-B5/18/19/20/26
RF3 : 0 Ω	WCDMA-B4+LTE-B3/4/66
RF4 :	

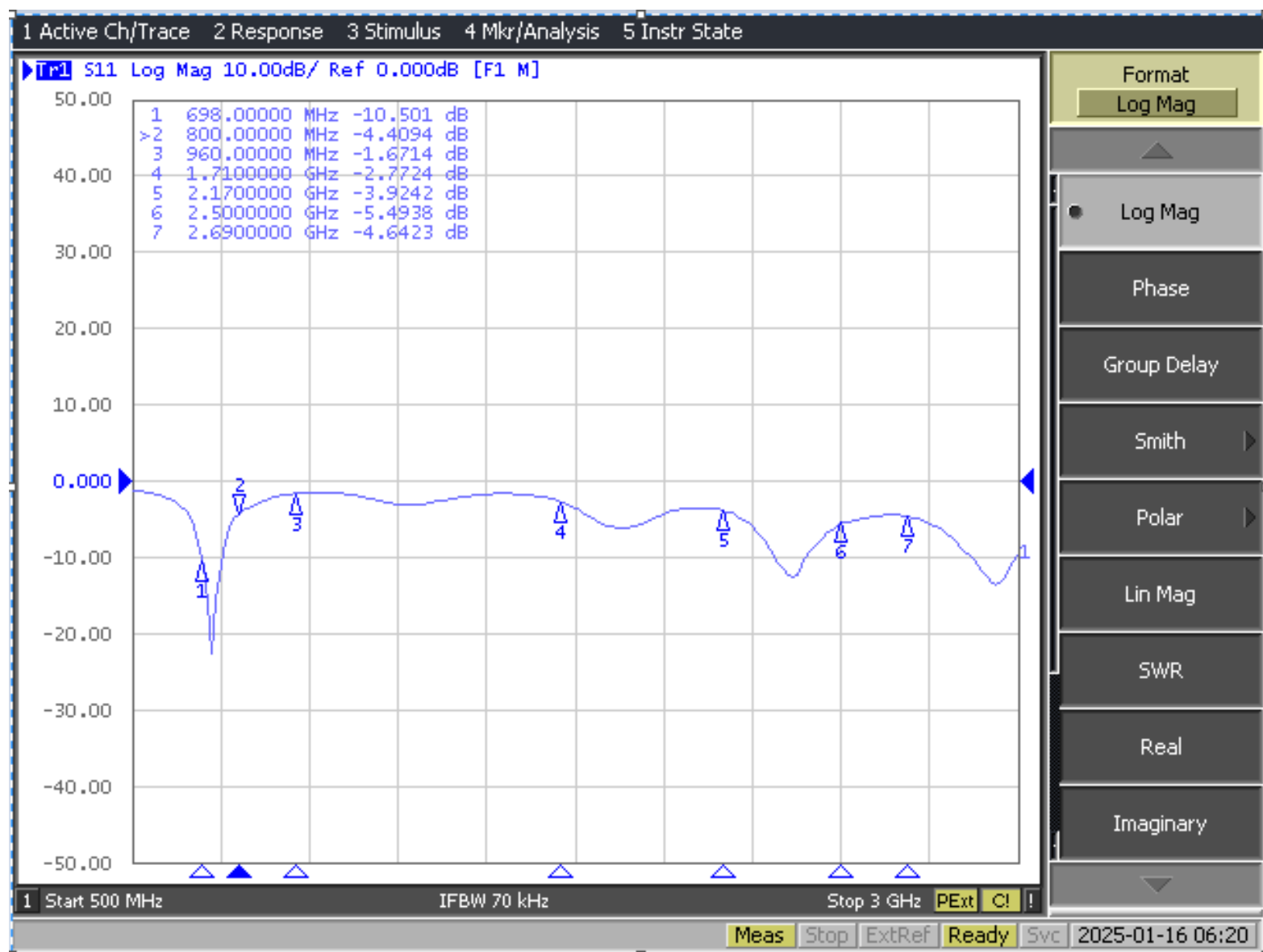
四 主天线RF1无源驻波图



五 主天线RF1无源史密斯圆图



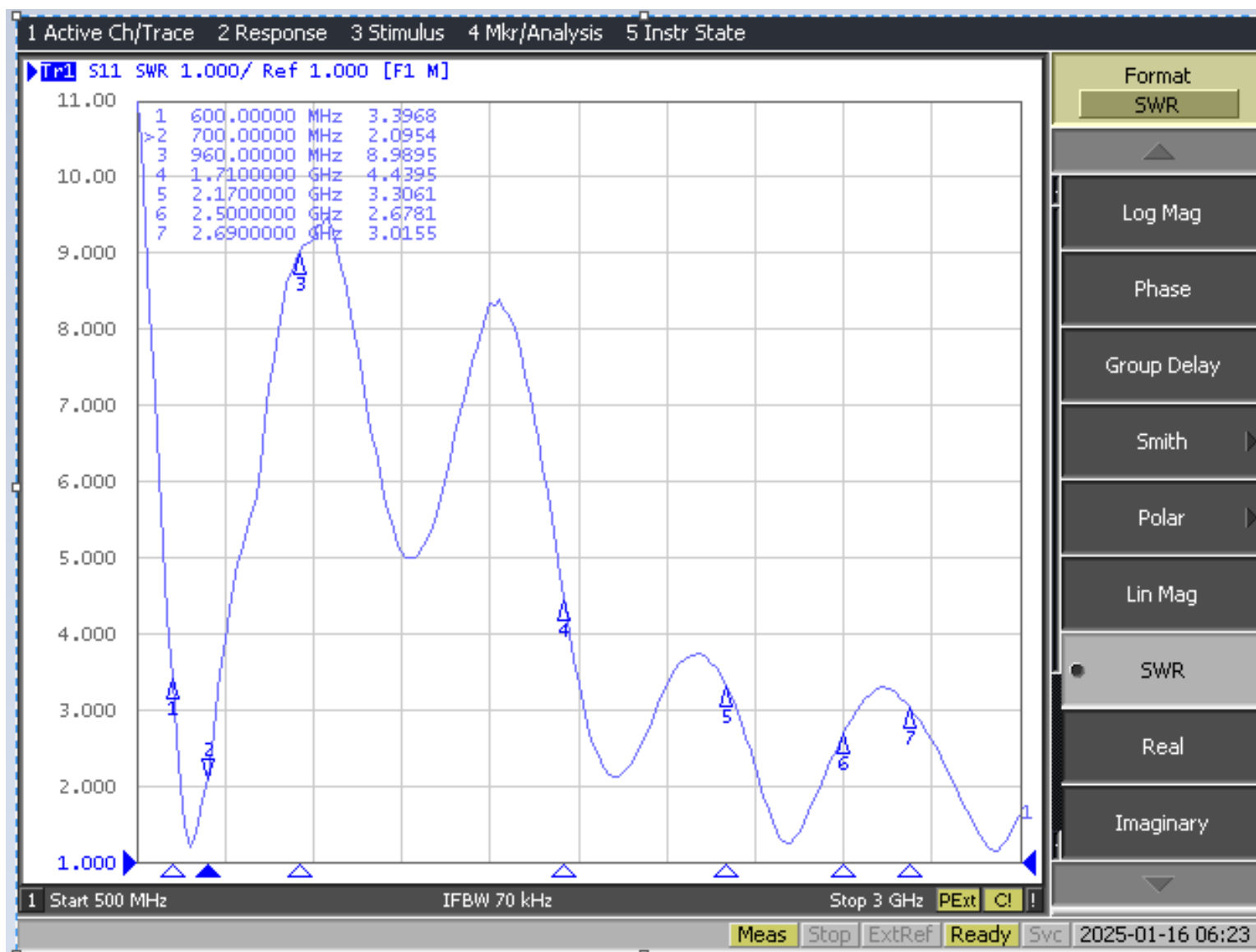
六 主天线RF1无源回波损耗图



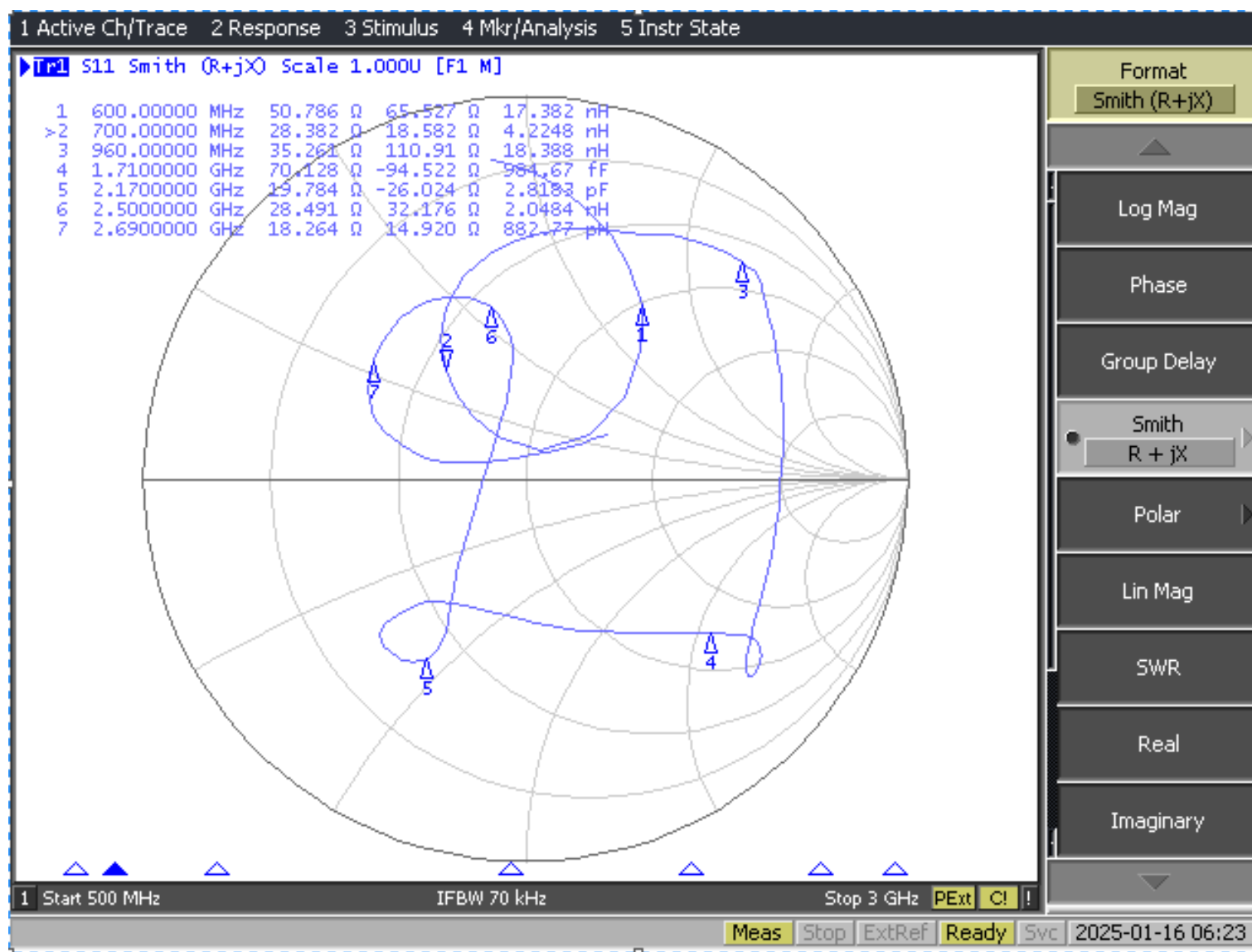
七 主天线RF1无源增益效率

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
690	17.33	-3.62	1860	39.69	0.6	2020	36.12	-1.29
700	18.68	-4.09	1870	41.42	0.78	2030	37.14	-1.3
710	21.67	-3.08	1880	40.98	0.54	2040	36.16	-1.57
720	32.32	1.8	1890	44.12	0.75	2050	36.88	-1.41
730	26.3	-1.57	1900	48.54	1.09	2060	37.79	-1.16
740	26.04	-1.88	1910	46.81	0.65	2070	38.35	-0.78
750	24.84	-2.25	1920	48.21	0.76	2080	34.59	-1.38
760	24.55	-1.91	1930	50.25	0.84	2090	34.01	-1.45
770	21.99	-1.67	1940	48.76	0.63	2100	35.31	-1.19
780	18.41	-1.7	1950	47.35	0.44	2110	34.84	-1.36
790	16.18	-1.78	1960	46.14	0.14	2120	33.16	-1.65
800	17.23	-1.77	1970	47	0.2	2130	34.16	-1.36
			1980	43.28	-0.26	2140	35.19	-1.02
			1990	41.4	-0.35	2150	33.99	-1.34
			2000	42.42	-0.08	2160	34.14	-1.38
			2010	39.01	-0.6	2170	36.38	-0.91

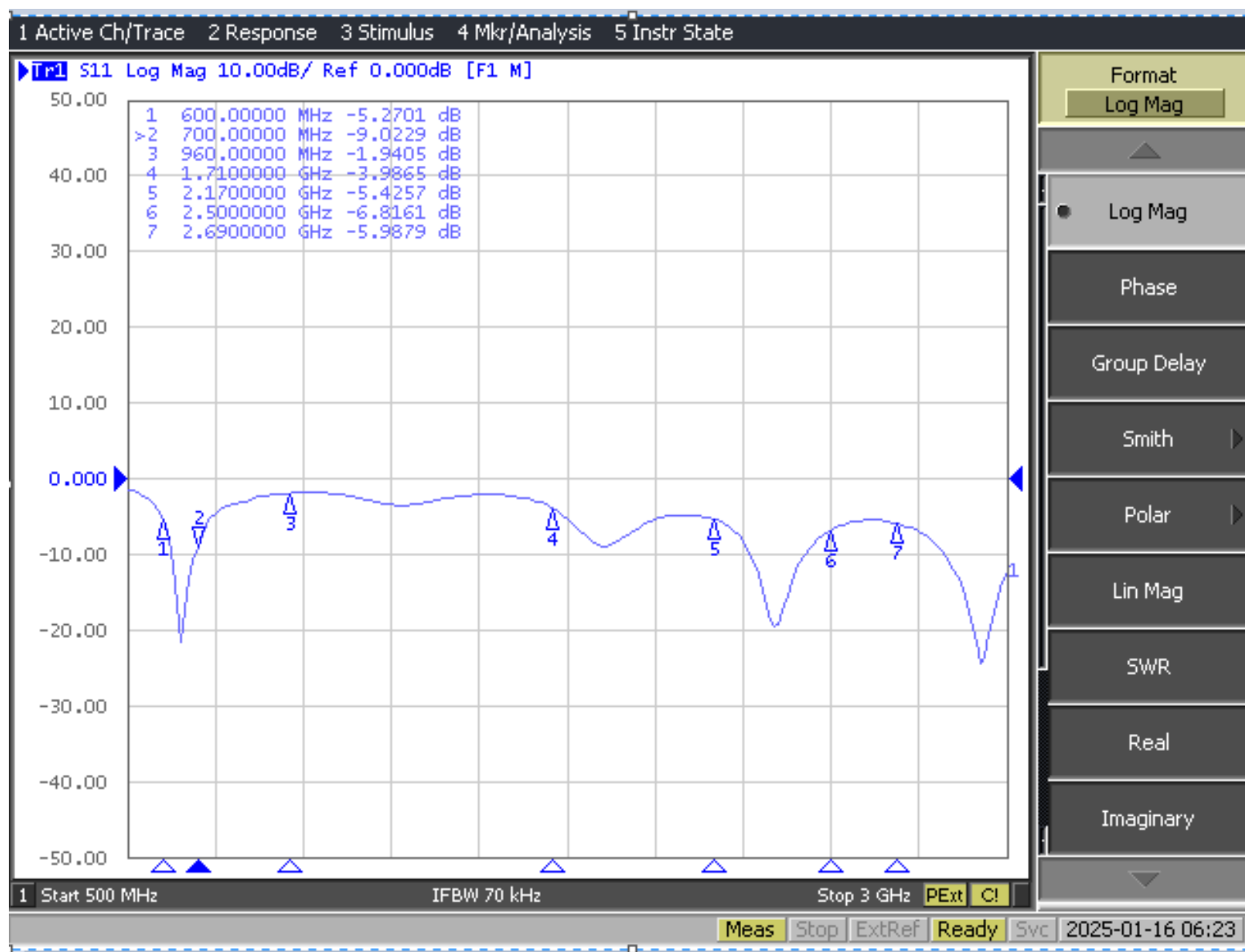
八 主天线RF2无源驻波图



九 主天线RF2无源史密斯圆图



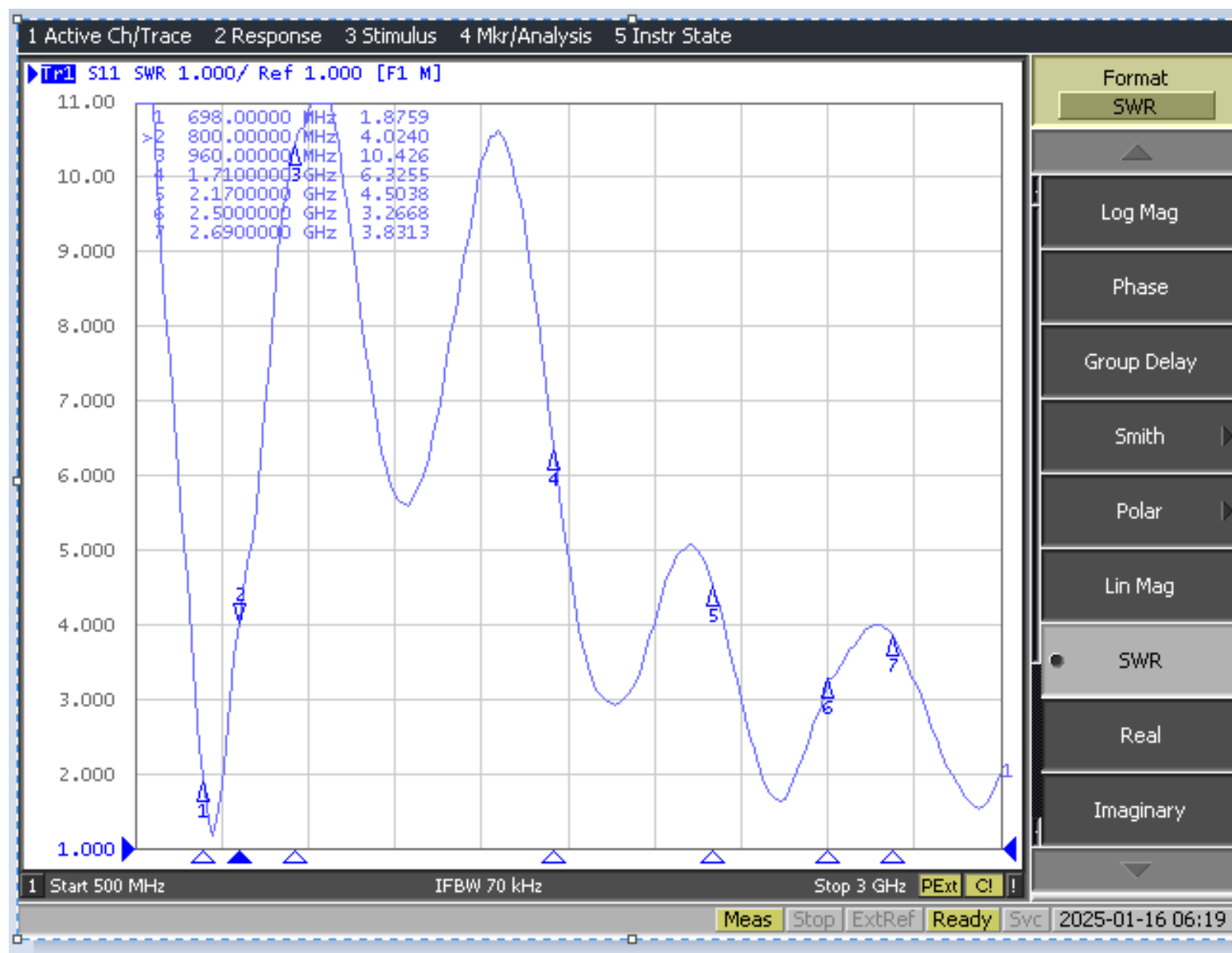
十 主天线RF2无源回波损耗图



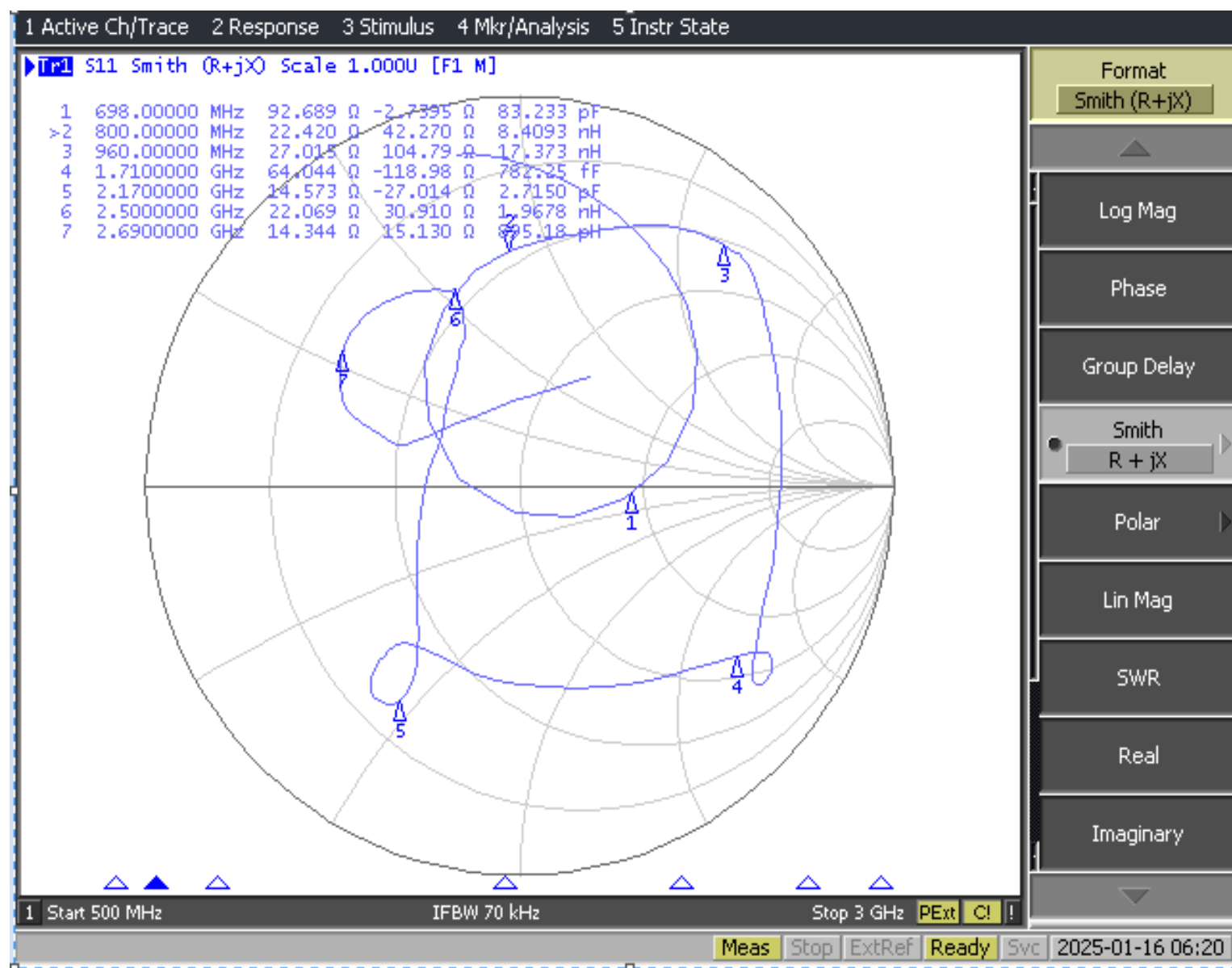
十一 主天线RF2无源增益效率

	A	B	C
1	Freq	Effi	Gain
2	(MHz)	(%)	(dBd)
3	570	19.97	-2.96
4	580	20.65	-2.46
5	590	21.2	-2.3
6	600	22.99	-1.75
7	610	27.64	-1.63
8	620	27.62	-1.52
9	630	27.36	-1.67
10	640	26.16	-1.79
11	650	25.87	-1.93
12	660	23.31	-2.14
13	670	20.77	-2.55

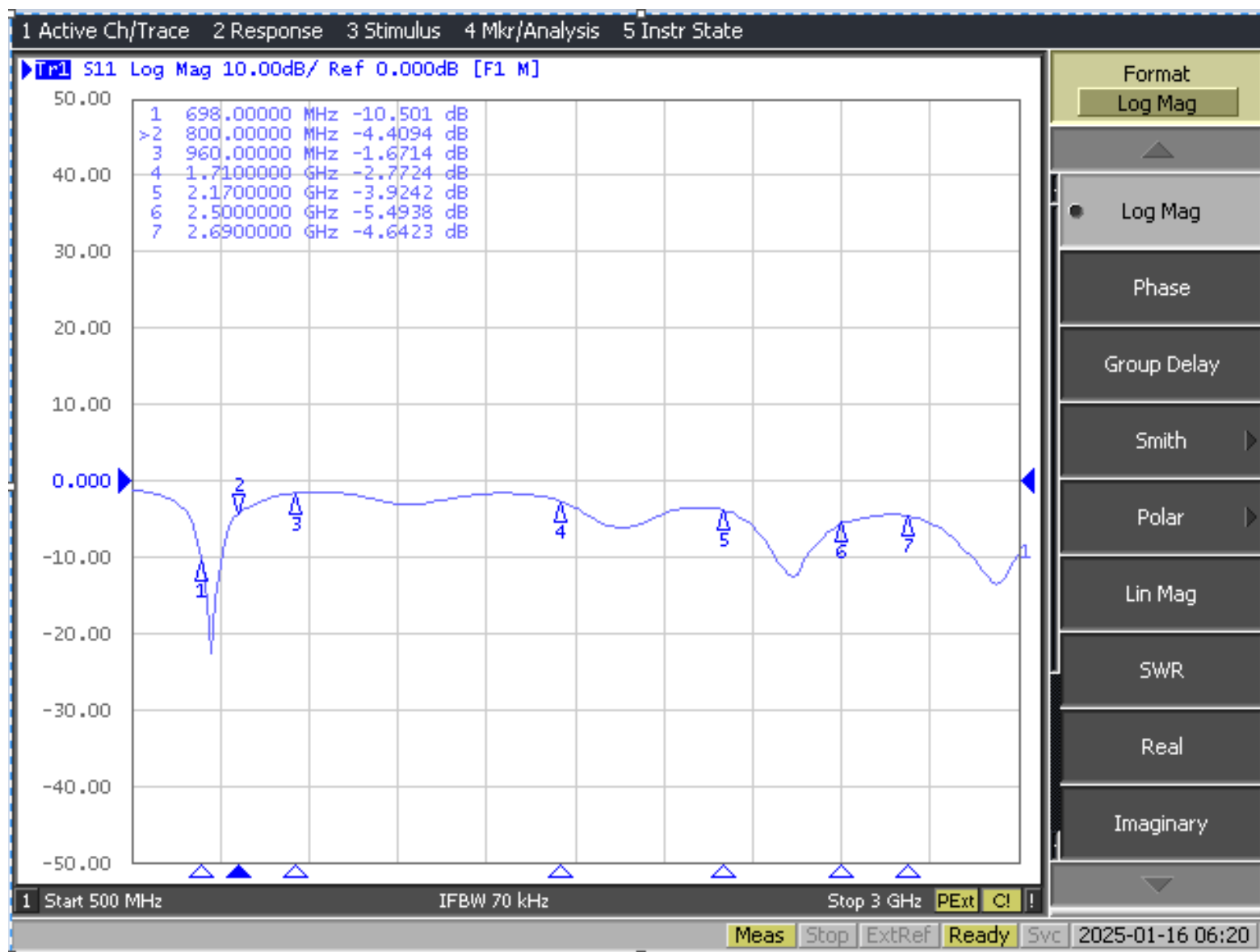
十二 主天线RF3无源驻波图



十三 主天线RF3无源史密斯圆图



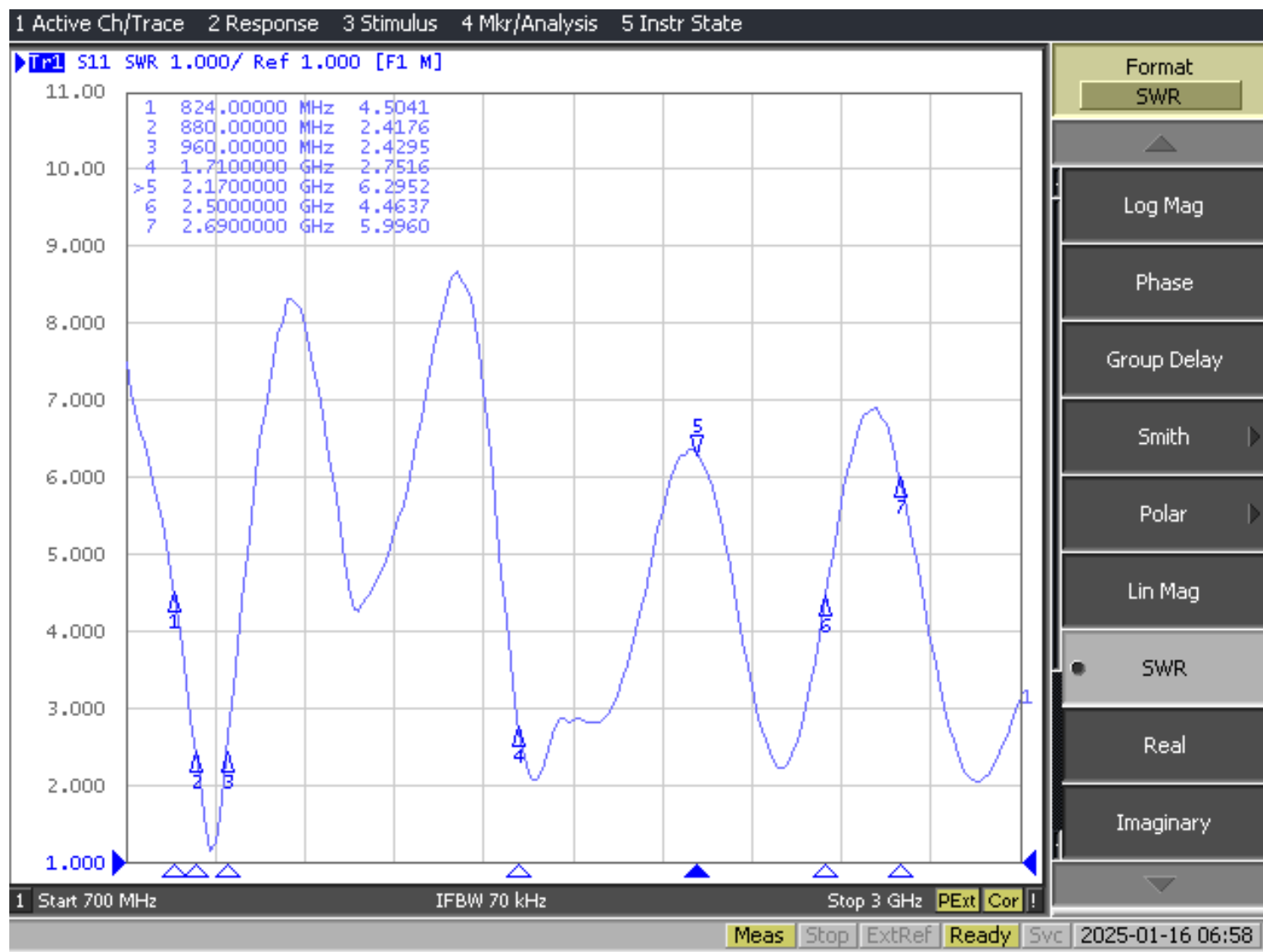
十四 主天线RF3无源回波损耗图



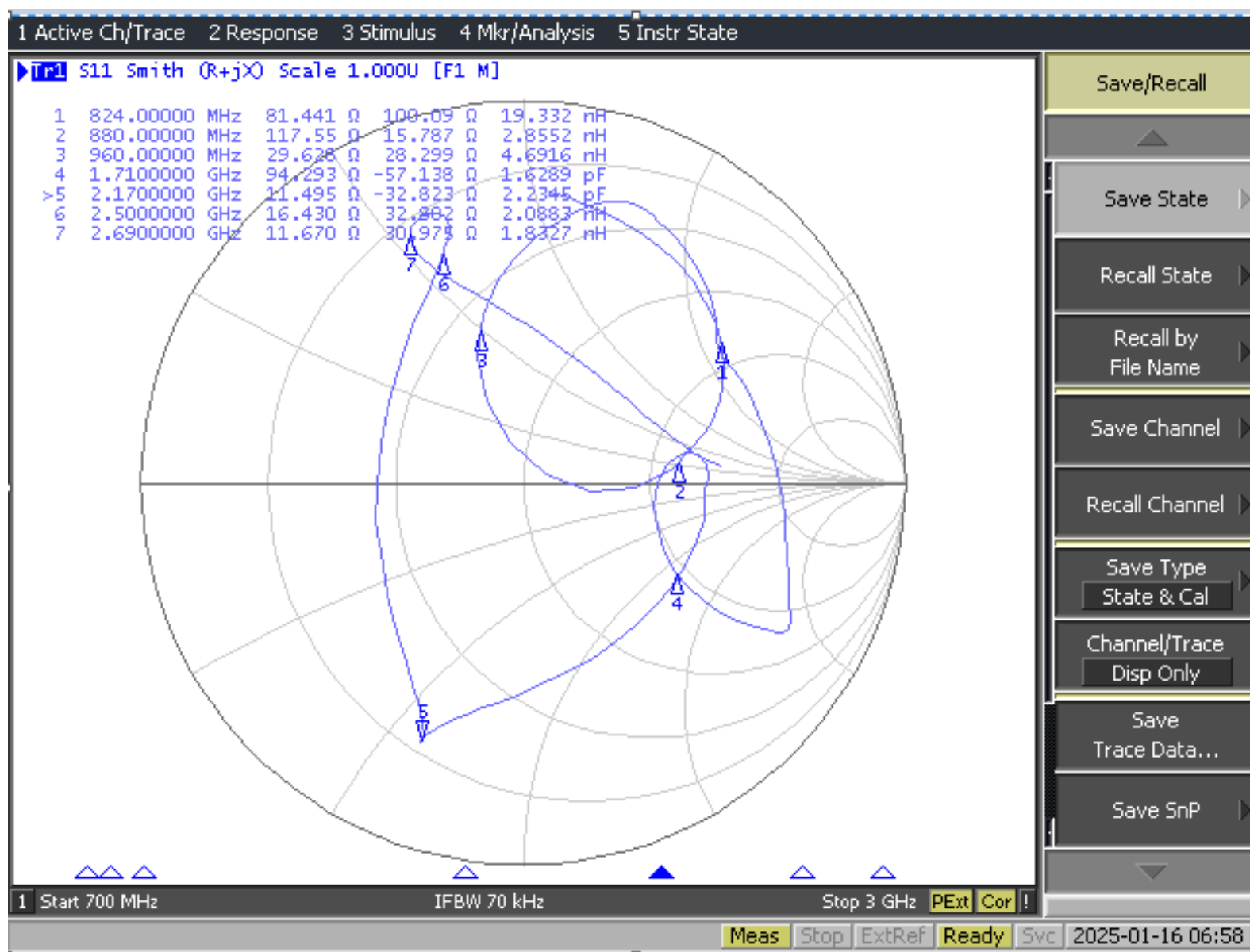
十五 主天线RF3无源增益效率

1	Freq	Effi	Gain	Freq	Effi	Gain
2	(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
3	2300	30.8	-1.71	2510	39.65	0.19
4	2310	31.89	-1.24	2520	38.59	0.15
5	2320	31.94	-1.28	2530	41.1	0.58
6	2330	32.91	-1.23	2540	43.09	0.94
7	2340	33.76	-1.29	2550	45.84	1.25
8	2350	34.39	-1.28	2560	46.36	1.28
9	2360	32	-1.67	2570	45.03	1.09
10	2370	34.01	-1.03	2580	49.06	1.55
11	2380	35.42	-0.7	2590	49.98	1.7
12	2390	34.39	-0.85	2600	49.31	1.63
13	2400	33.41	-0.99	2610	52.47	1.8
14	2410	33.26	-1.16	2620	53.76	1.86
15	2420	35.58	-0.63	2630	50.77	1.54
16	2430	36.34	-0.63	2640	51.15	1.65
17	2440	37.07	0.15	2650	54.13	1.99
18	2450	39.98	0.22	2660	56.68	2.23
19	2460	38.13	-0.92	2670	52.6	2.04
20	2470	36.77	-1.16	2680	53.07	2.13
21	2480	36.28	-0.35	2690	53.86	2.23
22	2490	38.57	0.12	2700	47.97	1.76
23	2500	38.19	-0.14			

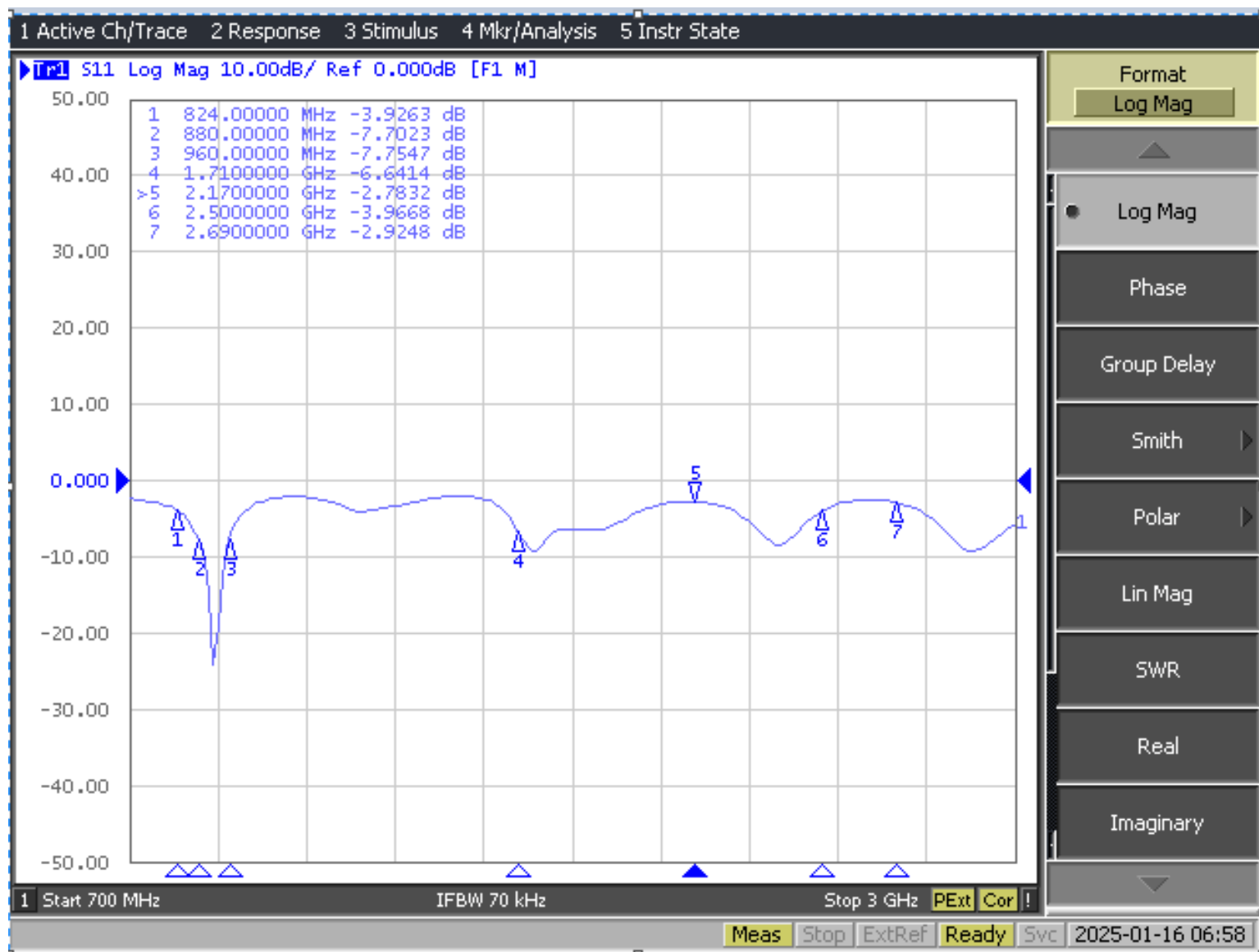
十六 分集天线RF1无源驻波图



十七 分集天线RF1无源史密斯圆图



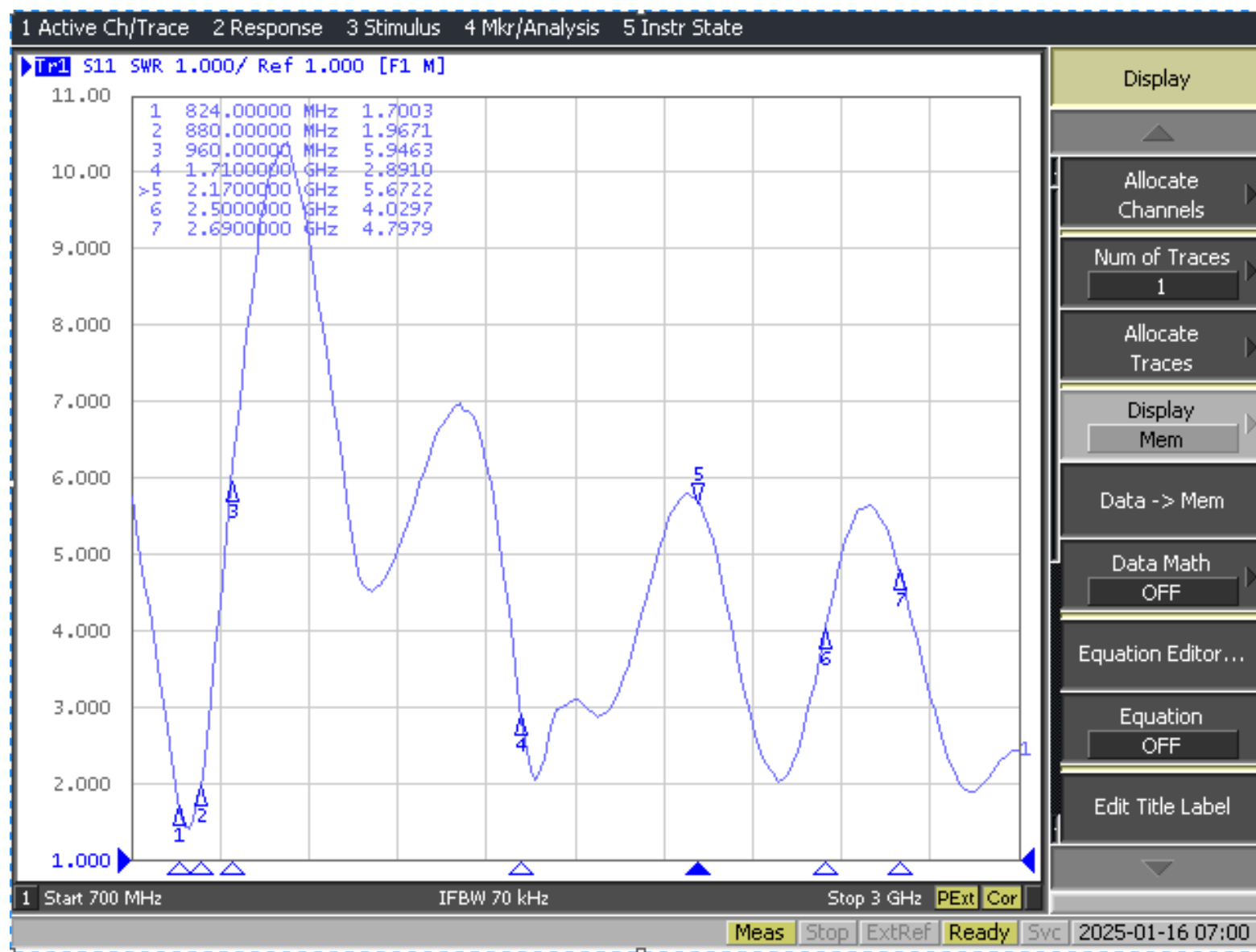
十八 分集天线RF1无源回波损耗图



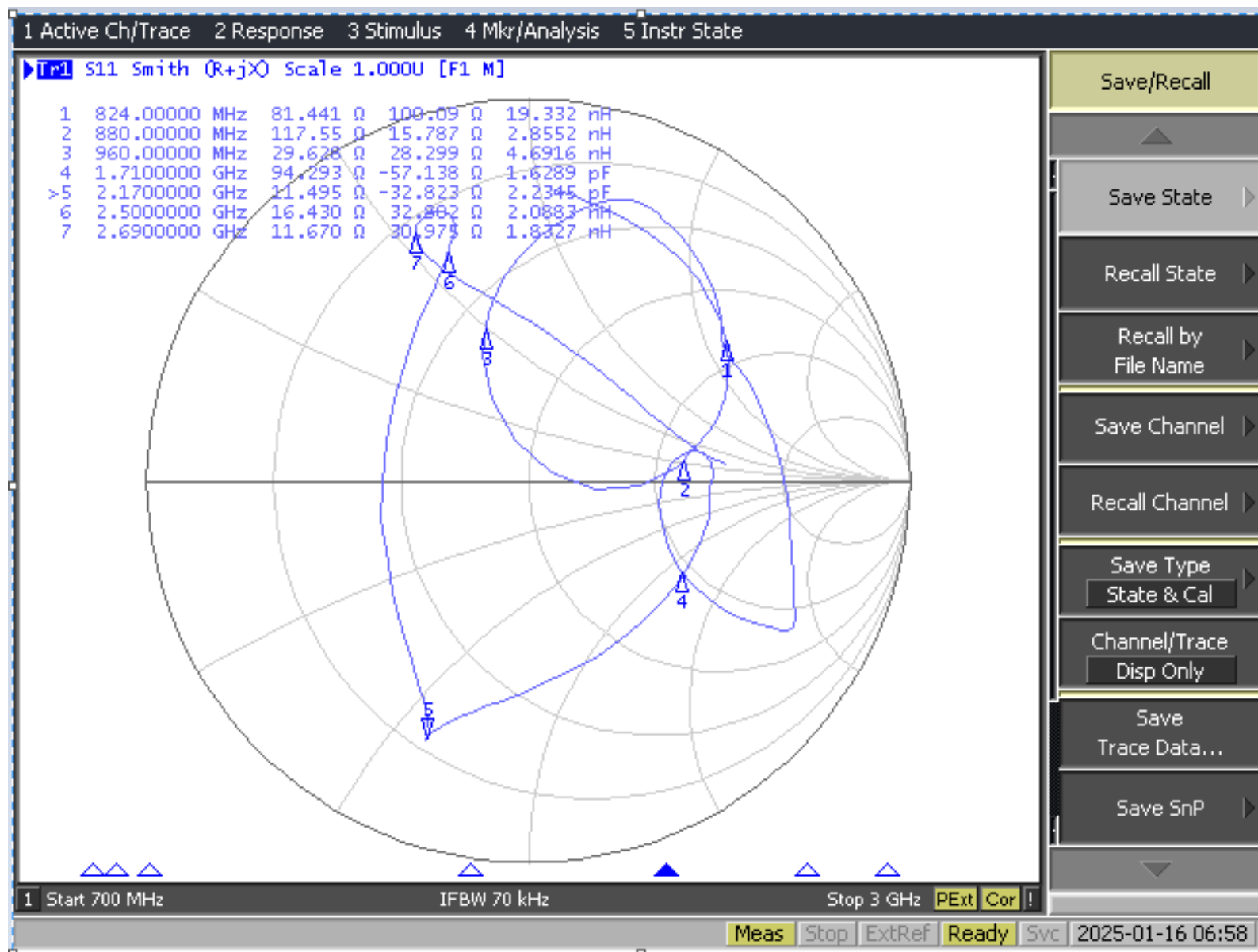
十九 分集天线RF1无源增益效率

1	Freq	Effi	Gain
2	(MHz)	(%)	(dBi)
3	870	15.86	-5.62
4	880	17.91	-4.09
5	890	23.15	-2.5
6	900	23.89	-1.54
7	910	26.55	-0.75
8	920	28.22	-0.3
9	930	30.93	-0.06
10	940	33.52	-0.24
11	950	31.6	-0.58
12	960	31.45	-0.87
13	970	28.45	-1.09
14	980	26.71	-1.57

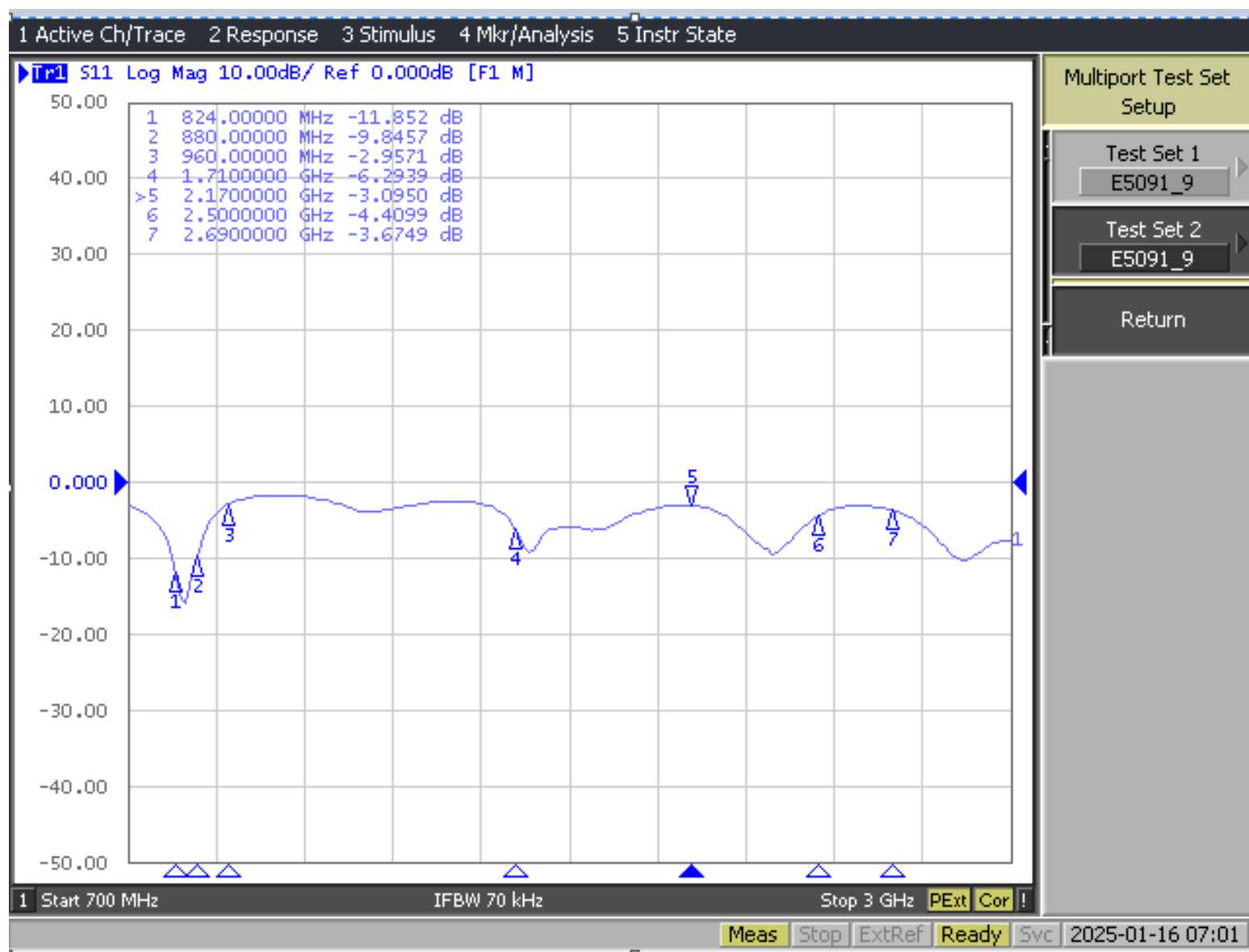
二十 分集天线RF2无源驻波图



二十一 分集天线RF2无源史密斯圆图



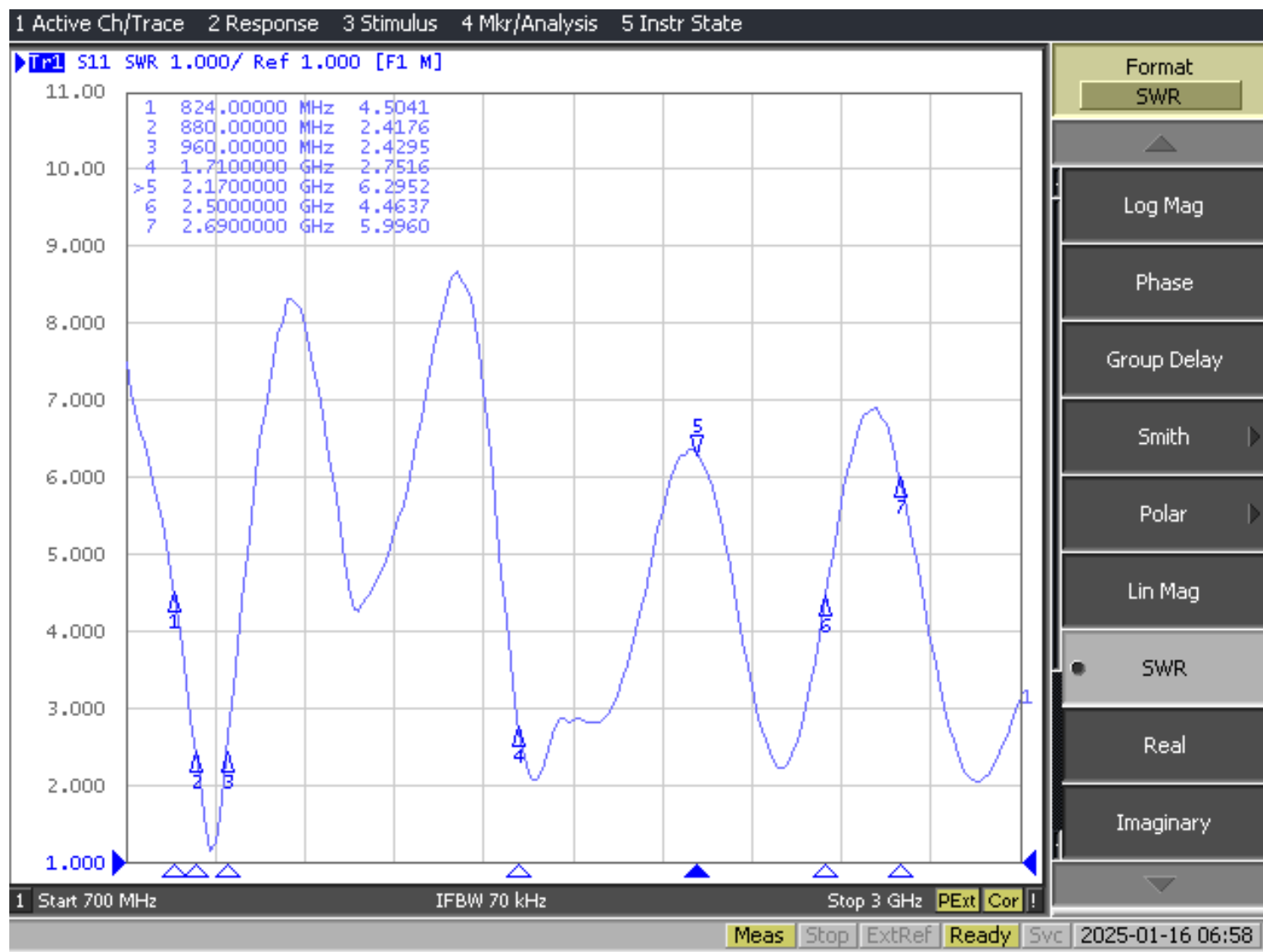
二十二 分集天线RF2无源回波损耗图



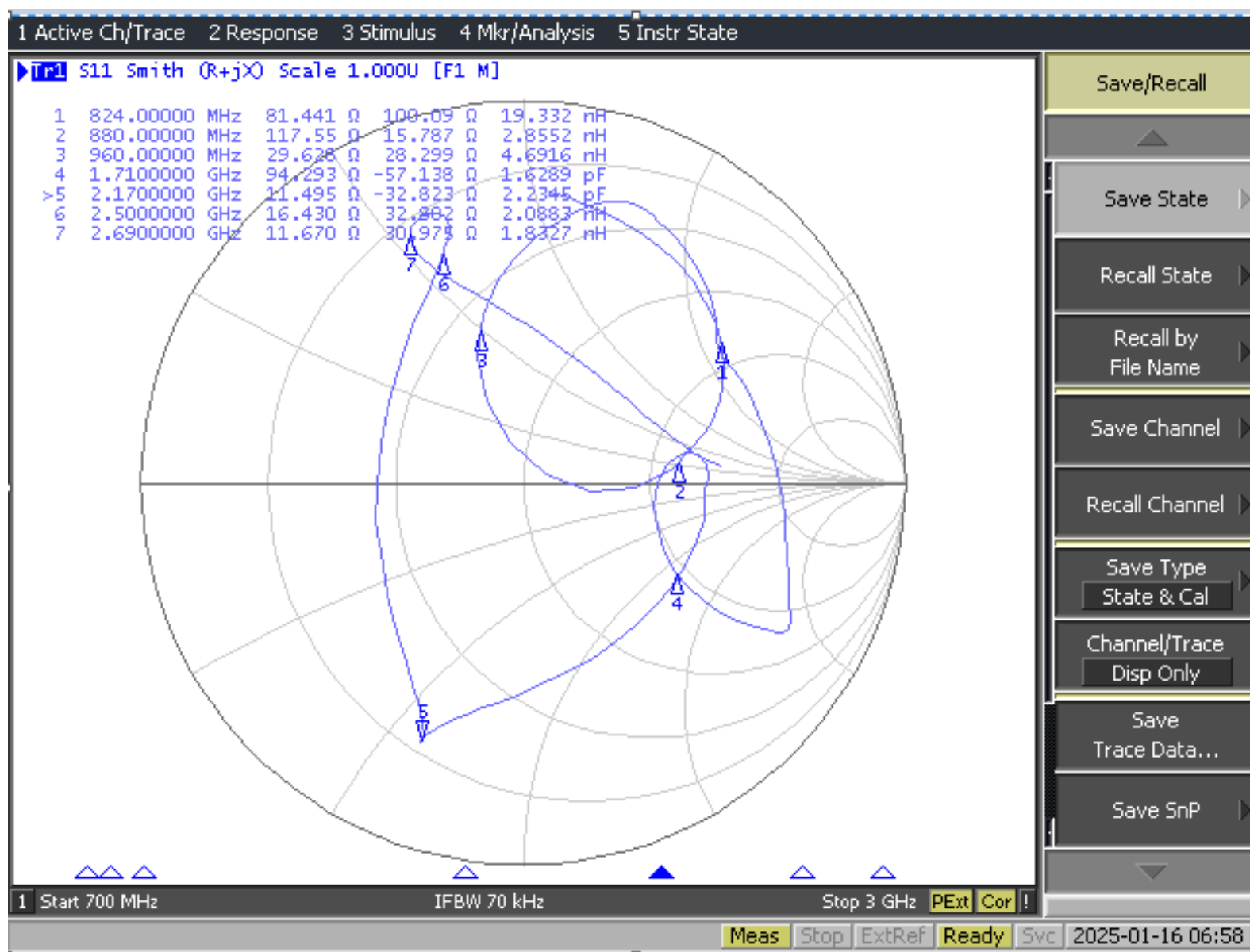
二十三 分集天线RF2无源增益效率

	A	B	C
1	Freq	Effi	Gain
2	(MHz)	(%)	(dBi)
3	810	25.99	-2.27
4	820	28.89	-1.55
5	830	30.67	-1.23
6	840	31.69	-0.94
7	850	32.46	-0.95
8	860	31.88	-1.26
9	870	31.76	-0.99
10	880	32.4	-0.52
11	890	30.29	-0.56
12	900	29.71	-0.39

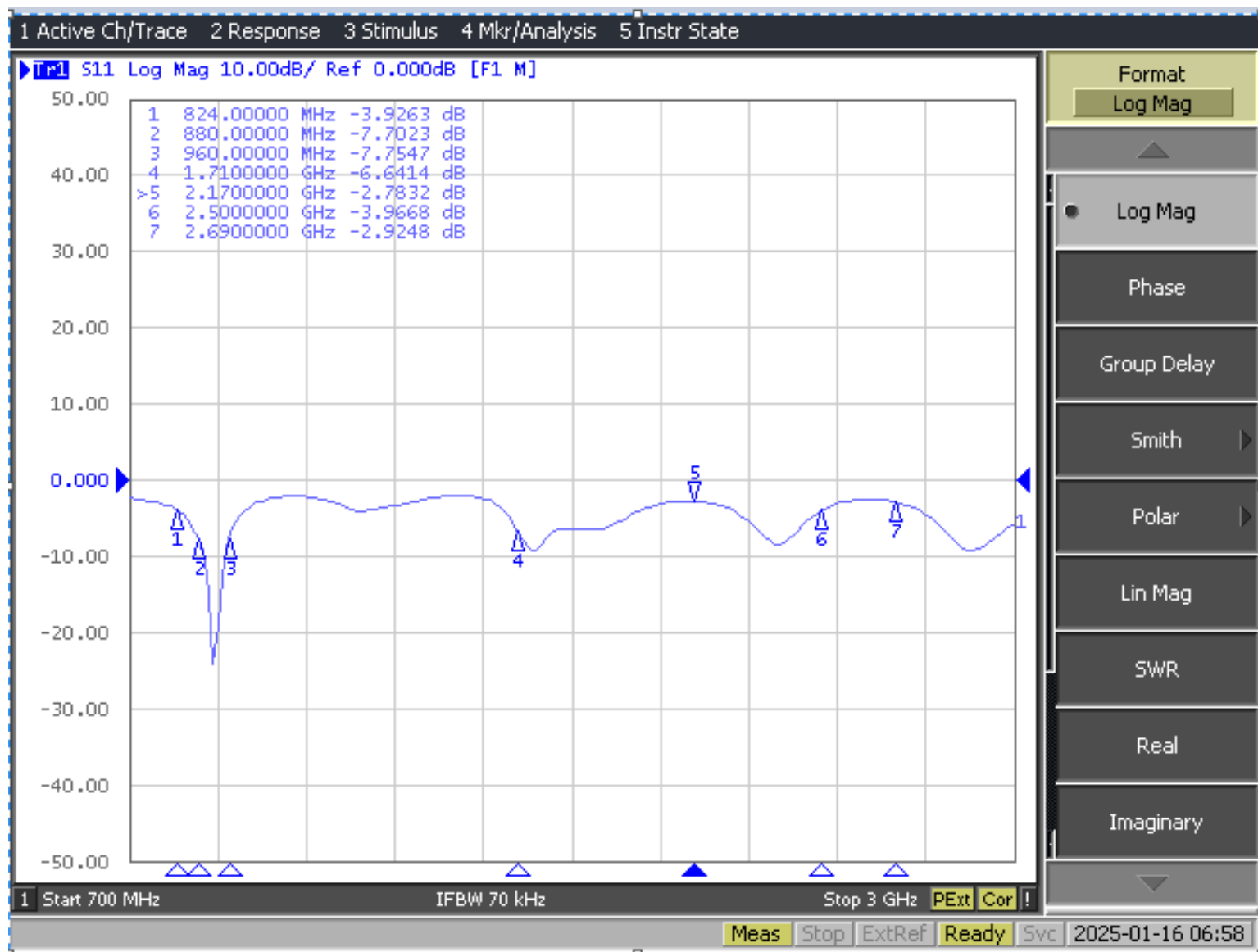
二十四 分集天线RF3无源驻波图



二十五 分集天线RF3无源史密斯圆图



二十六 分集天线RF3无源回波损耗图



二十七 分集天线RF3无源增益效率

1	Freq	Effi	Gain
2	(MHz)	(%)	(dBi)
3	1700	30.36	-0.42
4	1710	31.31	-0.56
5	1720	31.45	-0.72
6	1730	32.17	-0.61
7	1740	35.13	0.05
8	1750	38.26	0.71
9	1760	39.96	0.87
10	1770	39.36	0.65
11	1780	42.37	0.85
12	1790	41.42	0.68
13	1800	37.35	-0.01
14	1810	35.81	-0.11
15	1820	34.34	-0.34
16	1830	32.52	-0.94
17	1840	31.36	-1.35
18	1850	31.91	-1.27
19	1860	31.02	-1.41
20	1870	28.58	-2.26
21	1880	28.78	-2.45
22	1890	30.66	-2.02
23	1900	29.25	-2.28

二十八 天线测试数据

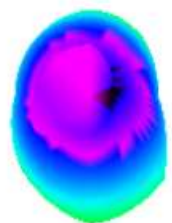
Band	TRP/TIS	L	M	H	Band	TRP/TIS	L	M	H
WCDMA850	TRP	18.19	18.26	18.32	LTE-B7	TRP	18.89	19.12	19.25
	TIS			-104.49		TIS			-93.82
WCDMA900	TRP	18.03	18.15	18.18	LTE-B8	TRP	18.27	18.31	18.45
	TIS			-104.62		TIS			-93.14
WCDMA1700	TRP	19.96	19.71	19.68	LTE-B12	TRP	17.46	17.43	17.33
	TIS			-106.03		TIS			-91.98
WCDMA1900	TRP	19.85	20.15	20.42	LTE-B17	TRP	17.63	17.74	17.79
	TIS			-106.18		TIS			-92.14
WCDMA2100	TRP	20.31	20.22	20.16	LTE-B18	TRP	18.09	18.17	18.14
	TIS			-106.57		TIS			-92.79
LTE-B1	TRP	20.43	20.35	20.24	LTE-B19	TRP	18.27	18.29	18.12
	TIS			-95.33		TIS			-92.88
LTE-B2	TRP	20.37	20.19	20.06	LTE-B20	TRP	18.24	18.19	18.27
	TIS			-94.39		TIS			-92.74
LTE-B3	TRP	20.23	19.58	18.99	LTE-B25	TRP	19.71	19.79	19.81
	TIS			-94.43		TIS			-93.65
LTE-B4	TRP	20.02	19.67	19.23	LTE-B26	TRP	18.06	18.14	18.13
	TIS			-94.17		TIS			-92.71
LTE-B5	TRP	18.15	18.18	18.22	LTE-B28	TRP	17.6	17.79	17.64
	TIS			-93.11		TIS			-92.17

二十八 天线测试数据

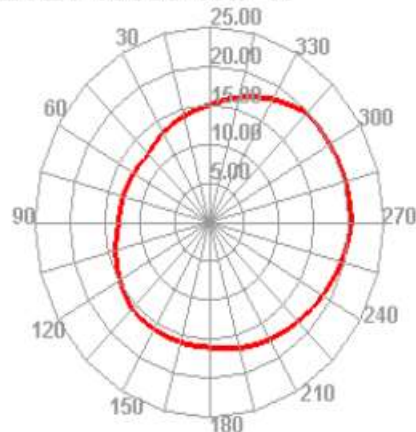
Band	TRP/TIS	L	M	H
LTE-B30	TRP	20.16	20.03	19.87
	TIS			-93.75
LTE-B34	TRP	19.69	19.74	19.88
	TIS			-93.51
LTE-B38	TRP	19.41	19.78	20.1
	TIS			-90.28
LTE-B39	TRP	19.72	19.69	19.78
	TIS			-92.19
LTE-B40	TRP	19.05	18.89	/
	TIS		-90.38	/
LTE-B41	TRP	19.61	19.83	20.02
	TIS			-90.51
LTE-B66	TRP	19.76	19.58	19.13
	TIS			-93.68
LTE-B71	TRP	16.57	16.51	16.45
	TIS			-90.29

二十九 天线辐射苹果图

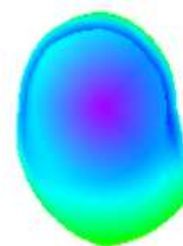
LTE1 18050 TRP



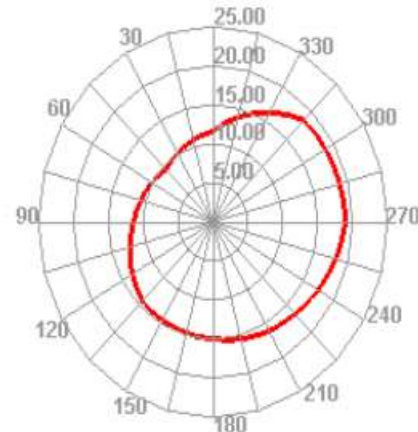
LTE1 18050 TRP H



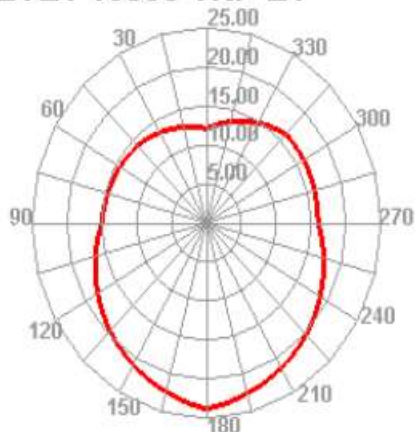
LTE1 18550 TRP



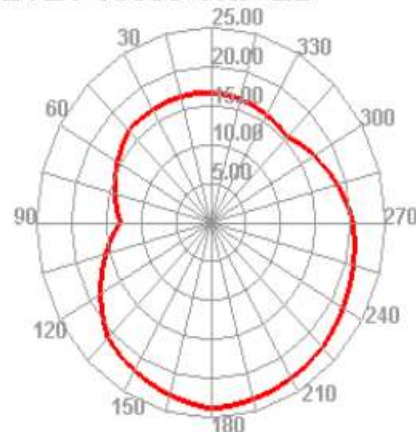
LTE1 18550 TRP H



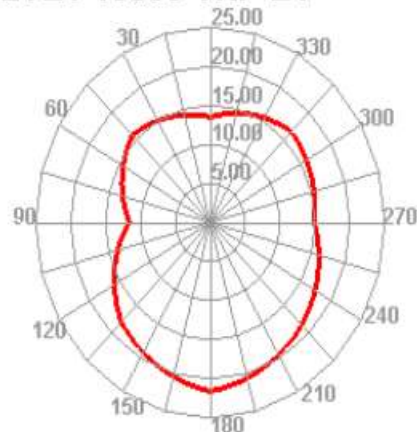
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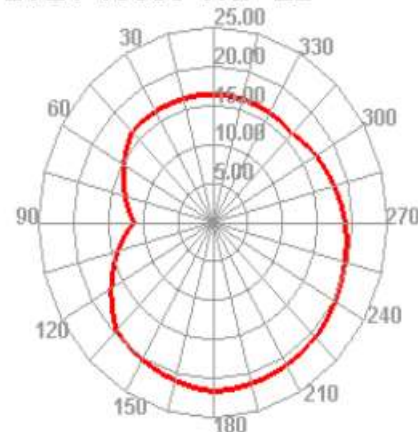
LTE1 18050 TRP E2



LTE1 18550 TRP E1

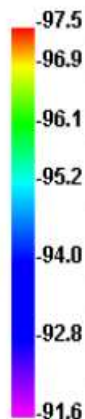
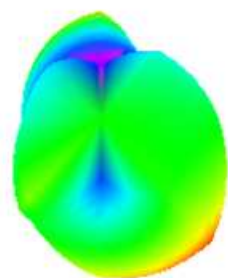


LTE1 18550 TRP E2

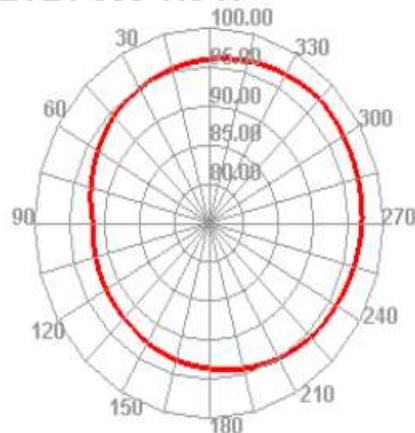


二十九 天线辐射苹果图

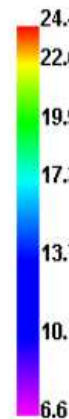
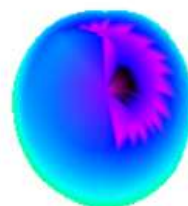
LTE1 550 TIS



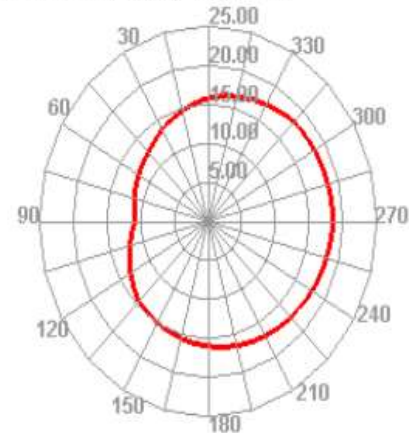
LTE1 550 TIS H



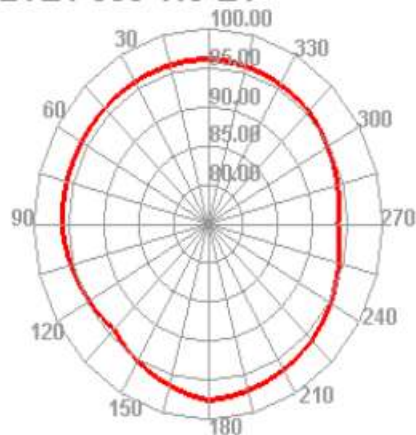
LTE2 18650 TRP



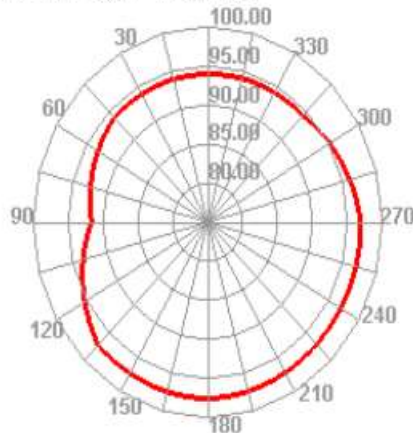
LTE2 18650 TRP H



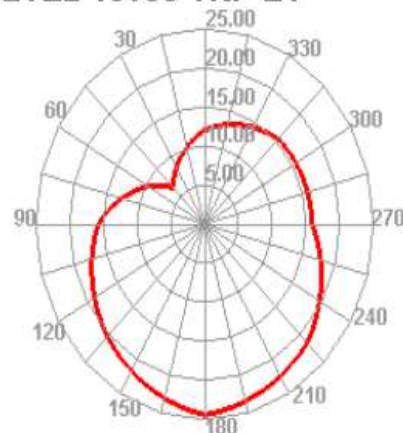
LTE1 550 TIS E1



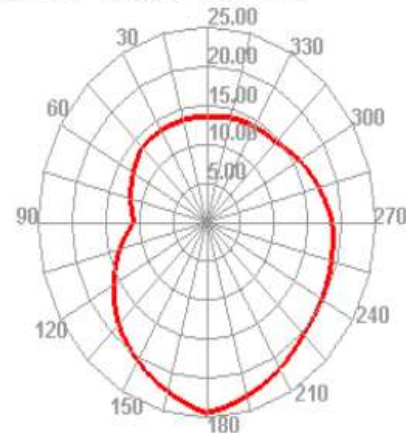
LTE1 550 TIS E2



LTE2 18650 TRP E1



LTE2 18650 TRP E2

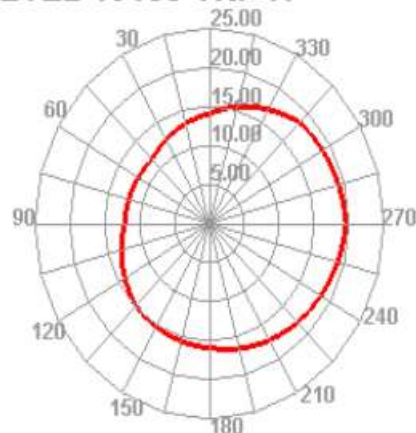


二十九 天线辐射苹果图

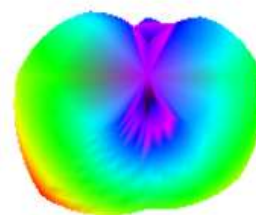
LTE2 19150 TRP



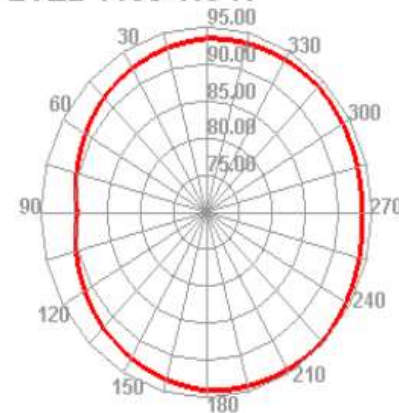
LTE2 19150 TRP H



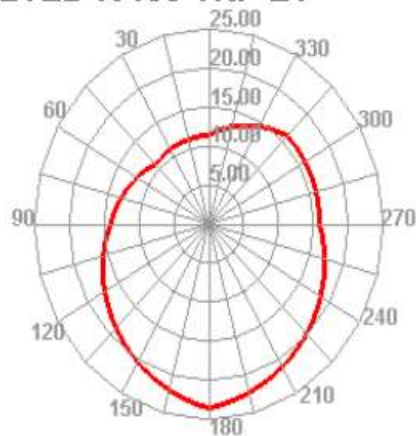
LTE2 1150 TIS



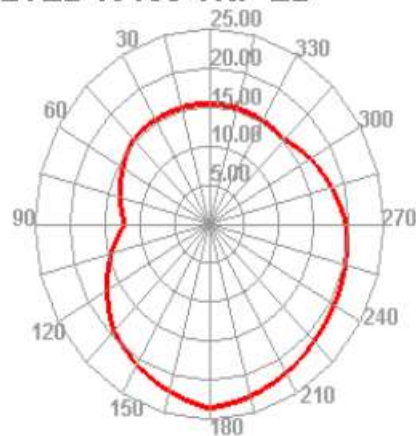
LTE2 1150 TIS H



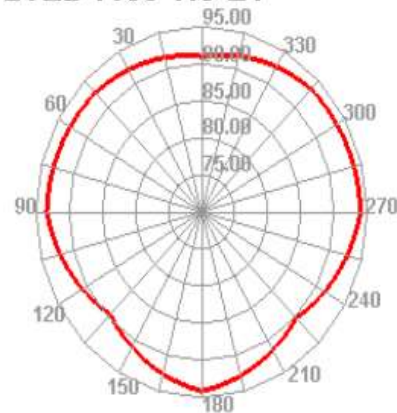
LTE2 19150 TRP E1



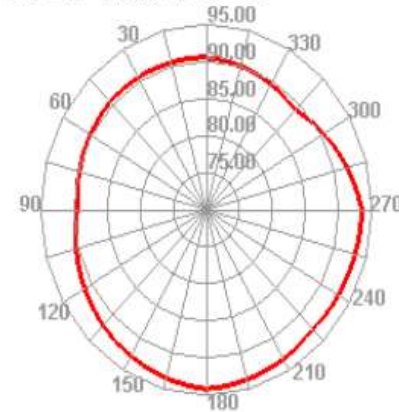
LTE2 19150 TRP E2



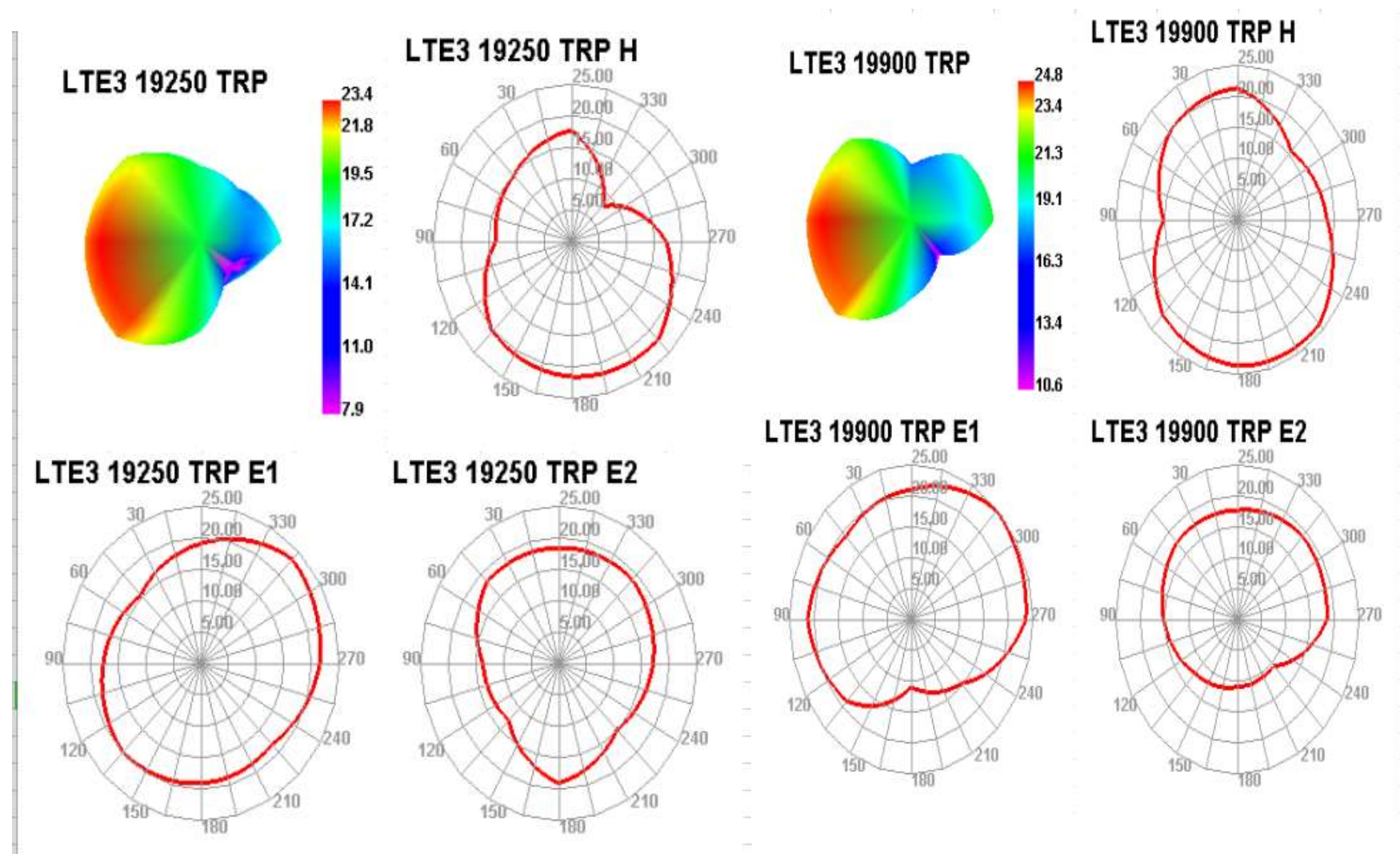
LTE2 1150 TIS E1



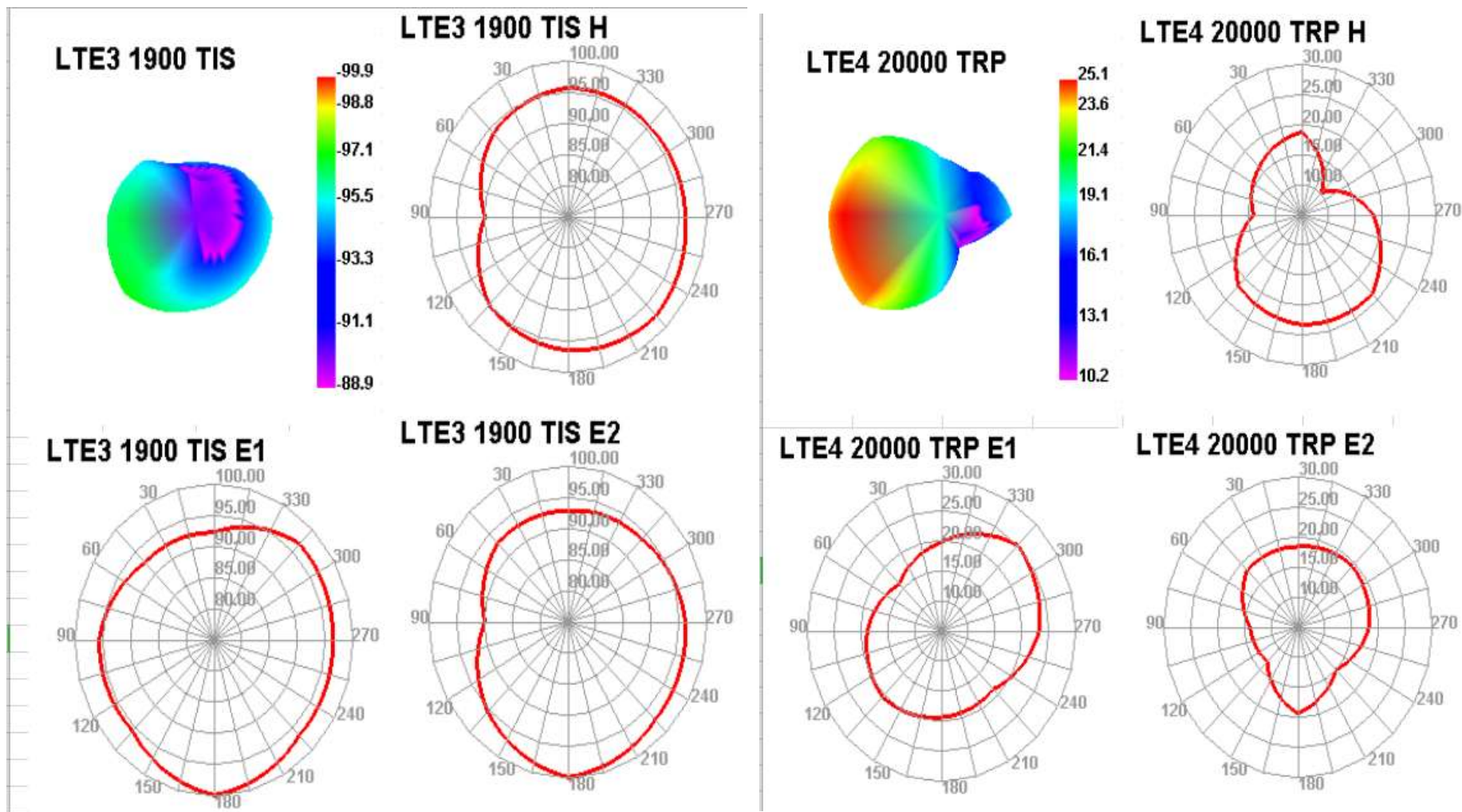
LTE2 1150 TIS E2



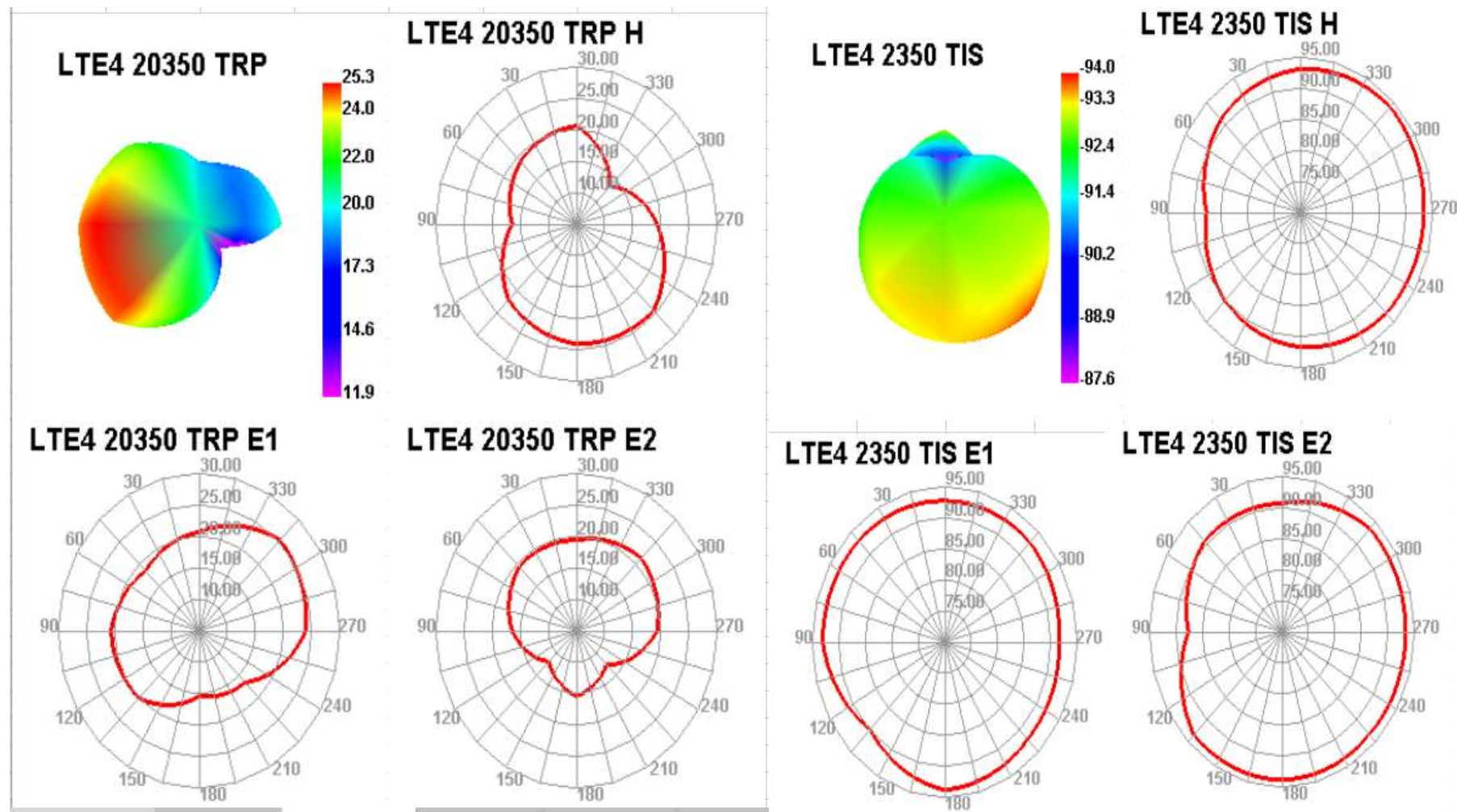
二十九 天线辐射苹果图



二十九 天线辐射苹果图

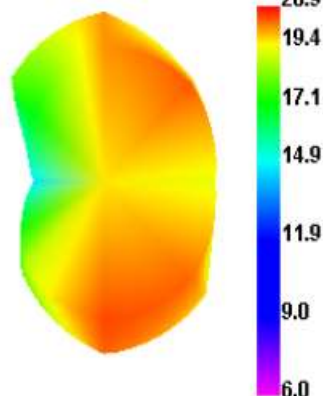


二十九 天线辐射苹果图

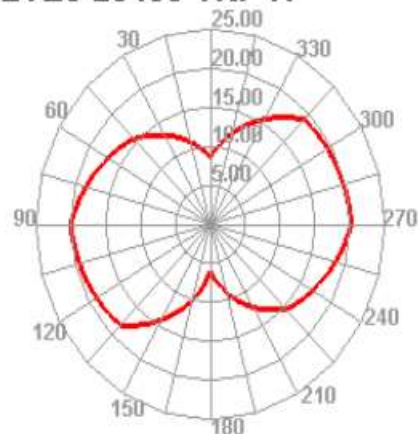


二十九 天线辐射苹果图

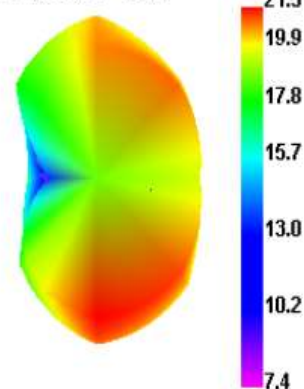
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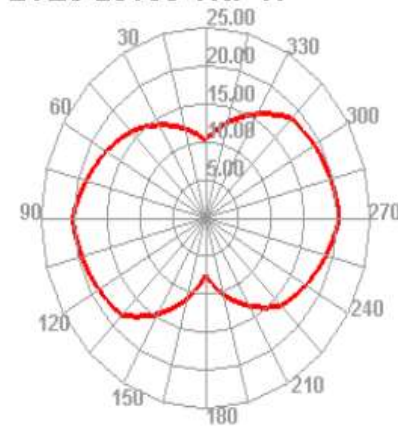
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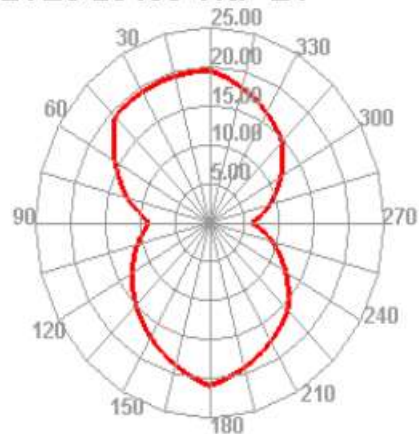
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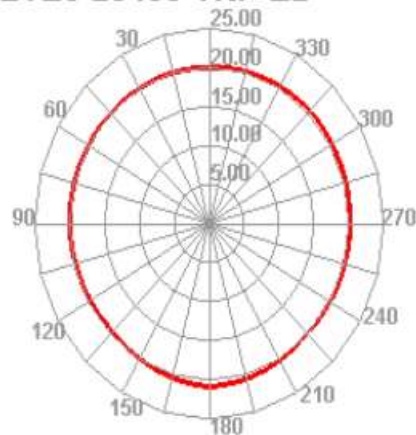
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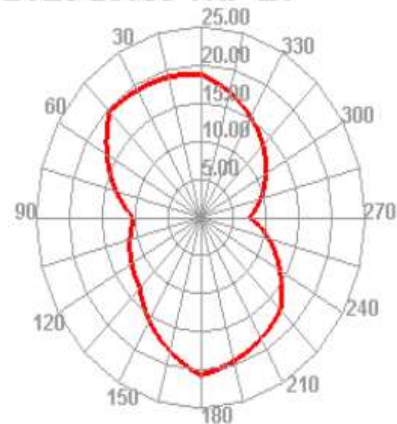
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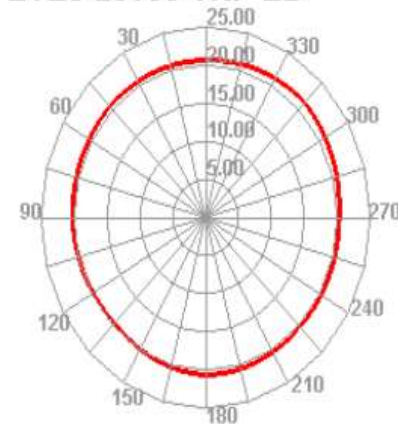
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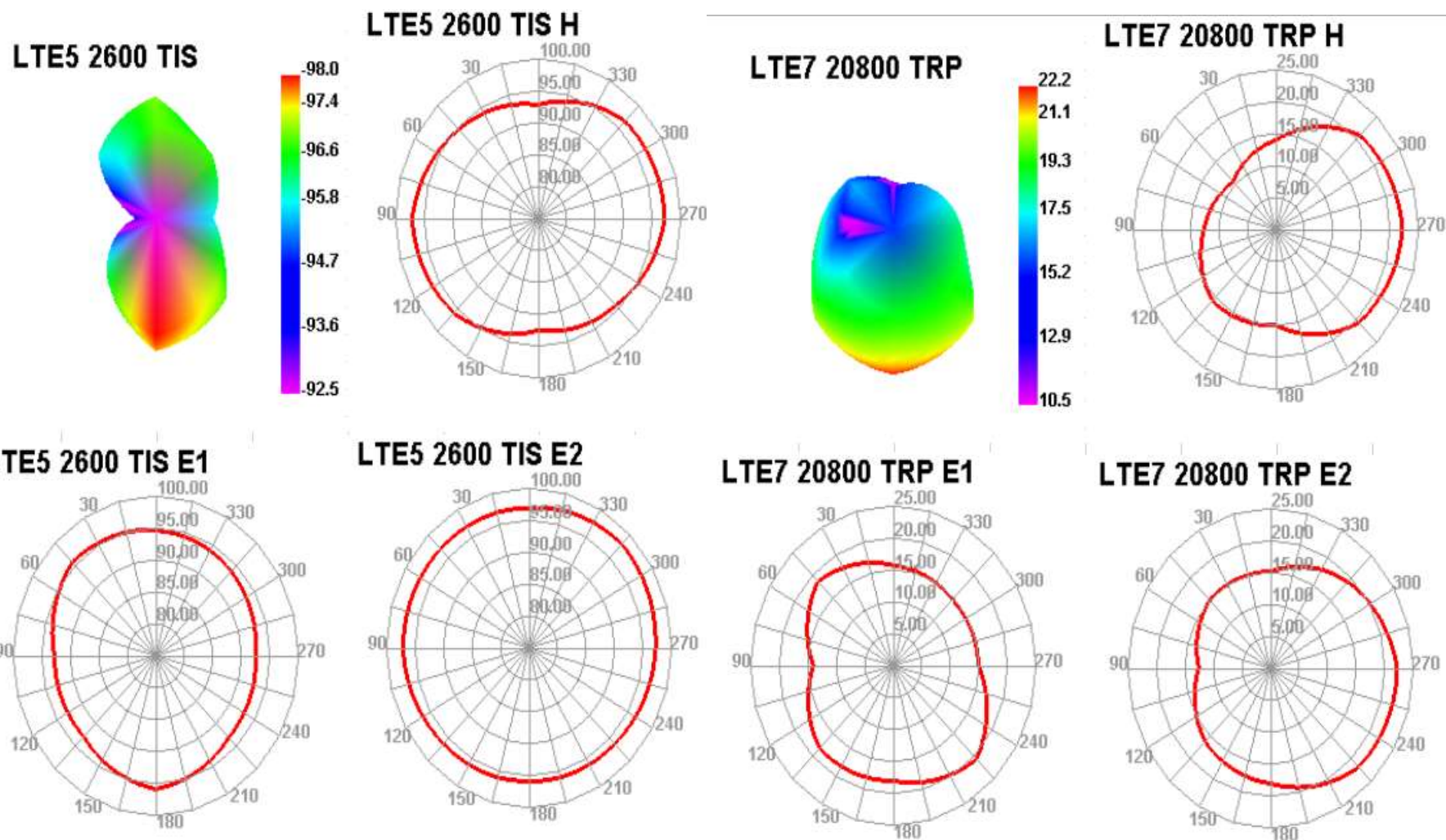
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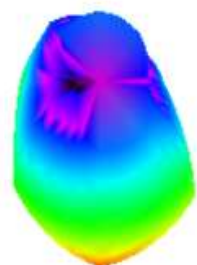


二十九 天线辐射苹果图

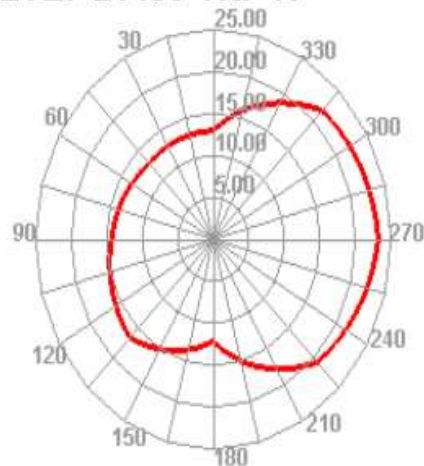


二十九 天线辐射苹果图

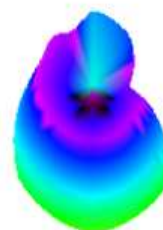
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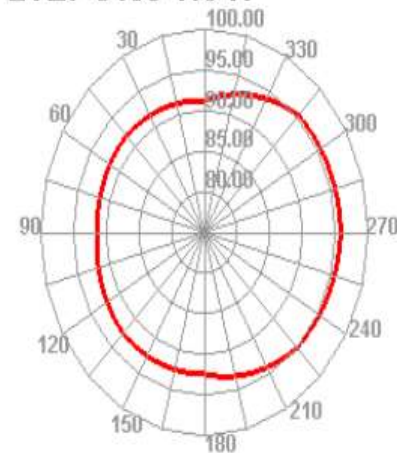
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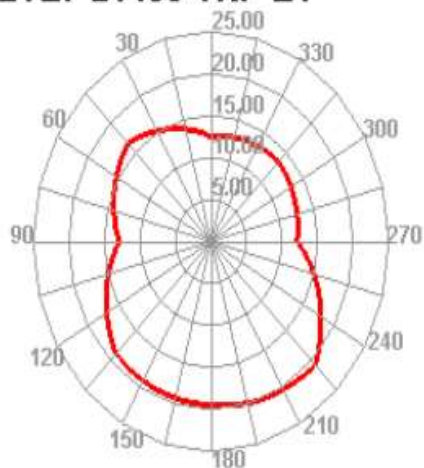
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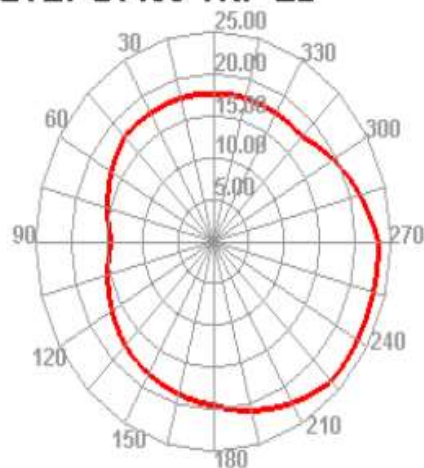
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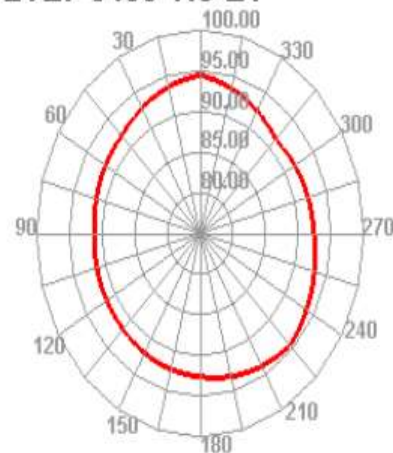
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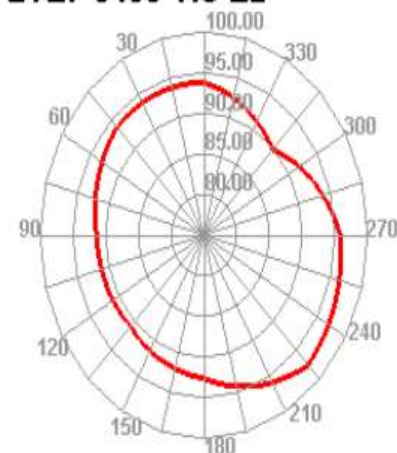
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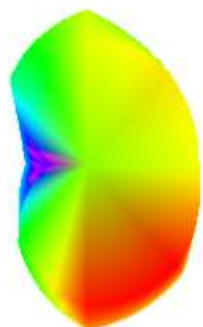


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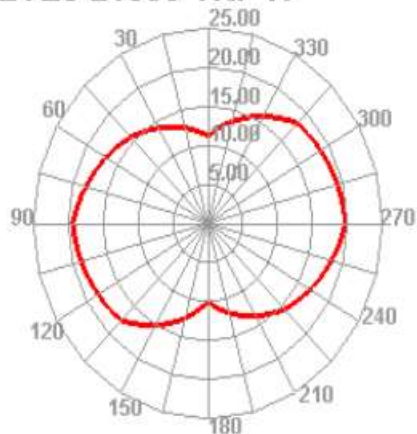


二十九 天线辐射苹果图

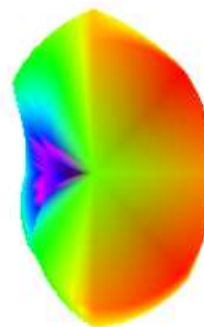
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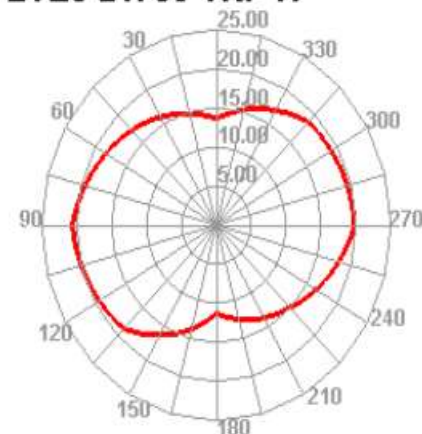
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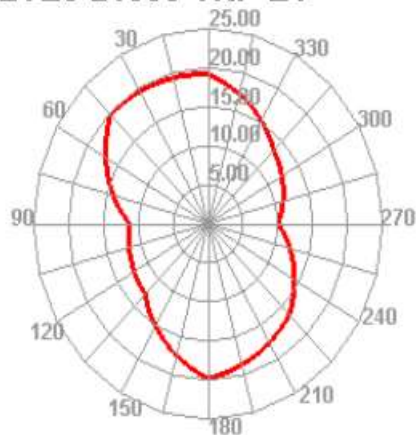
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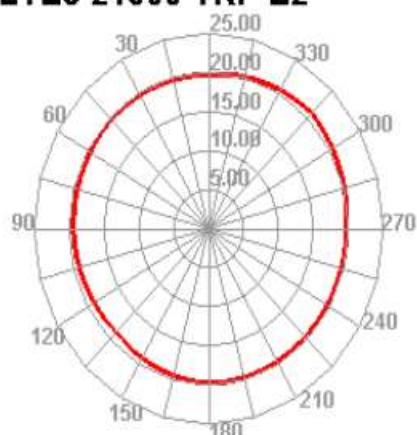
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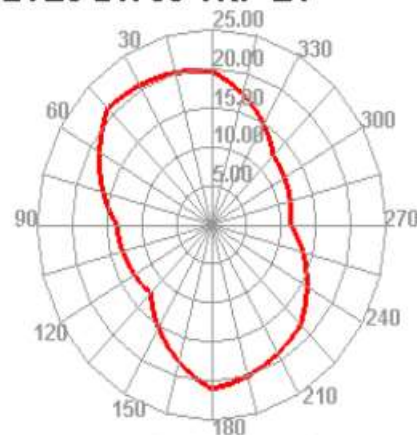
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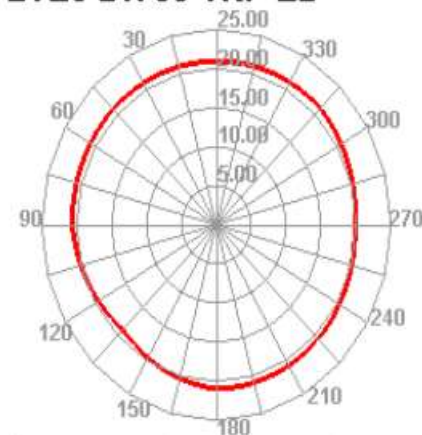
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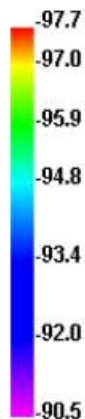
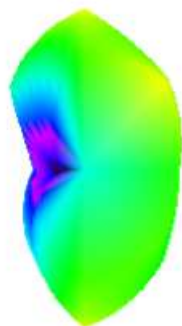


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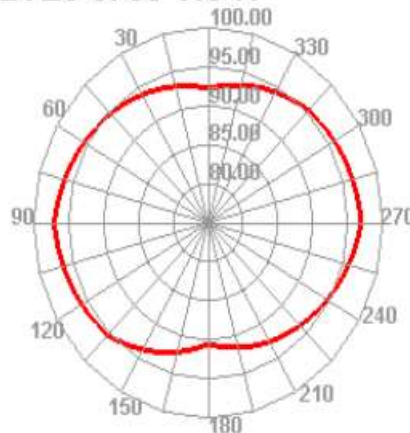


二十九 天线辐射苹果图

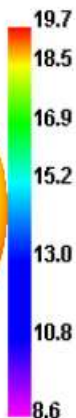
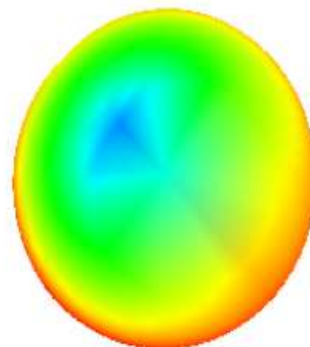
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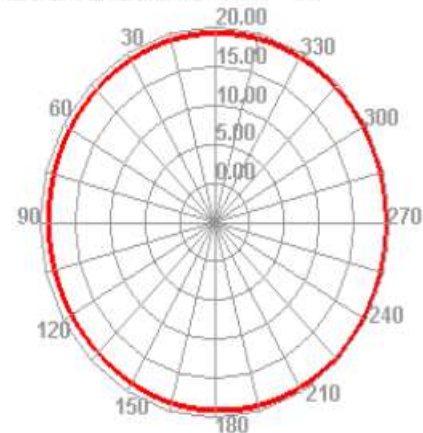
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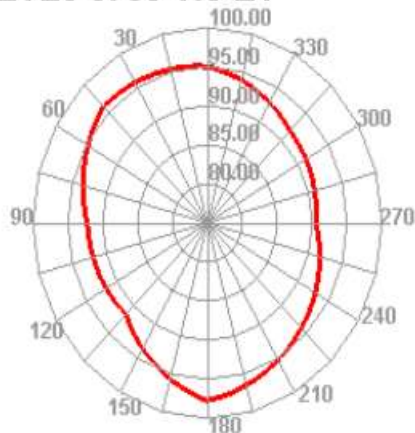
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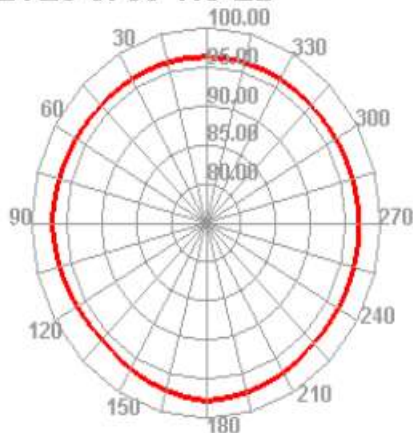
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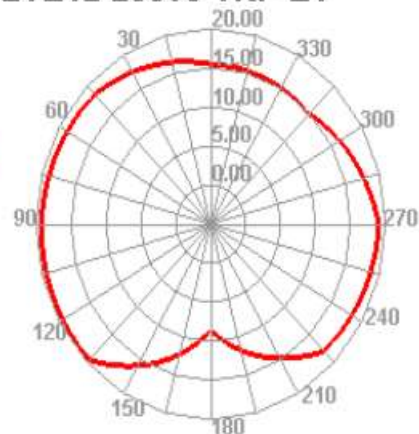
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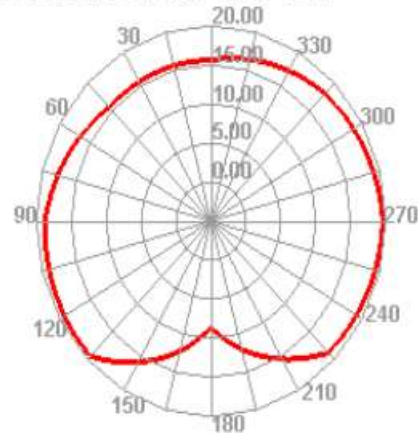
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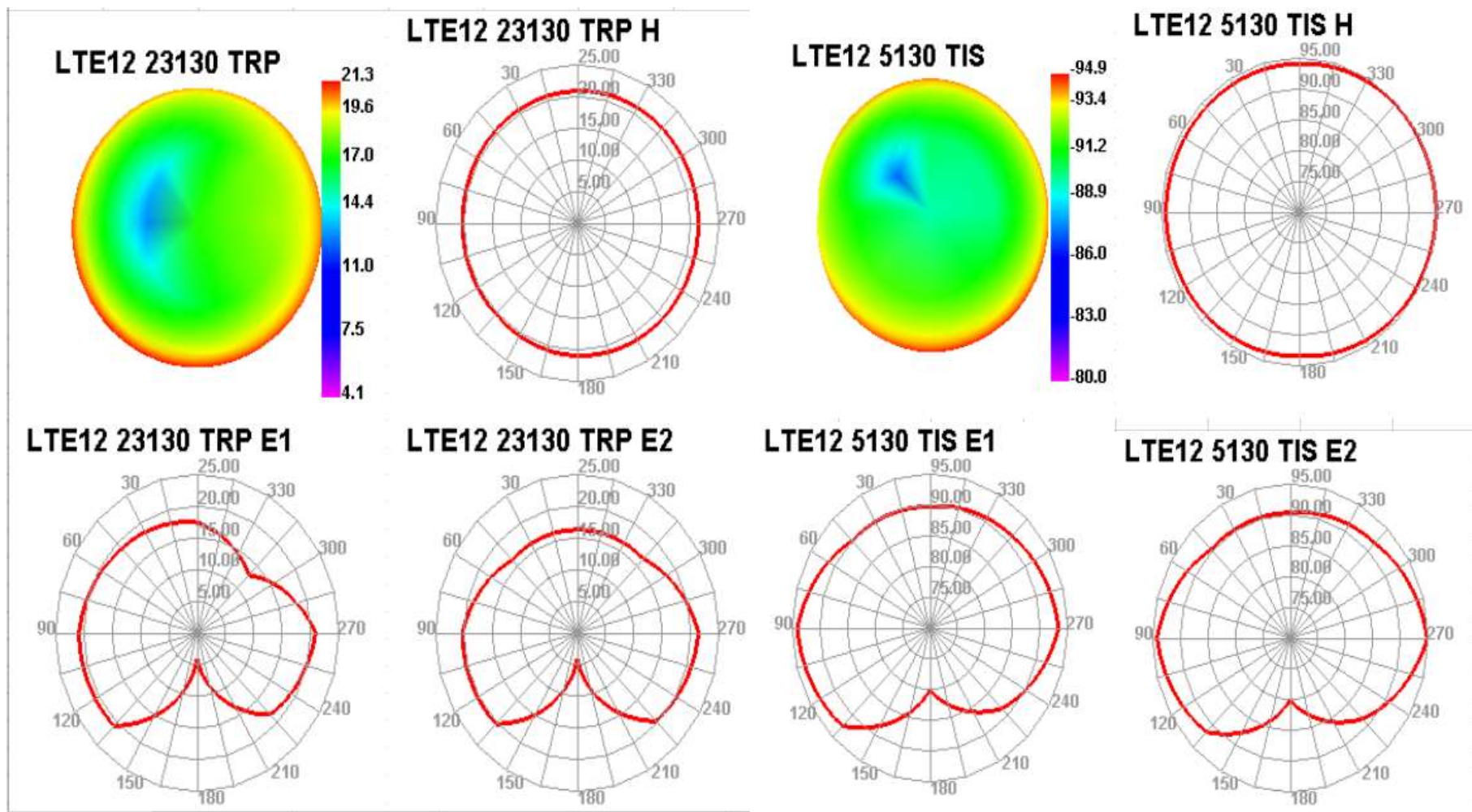
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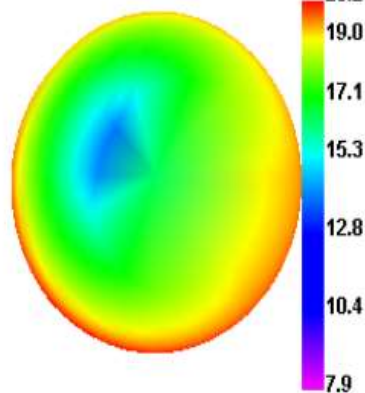


三十四 天线辐射苹果图

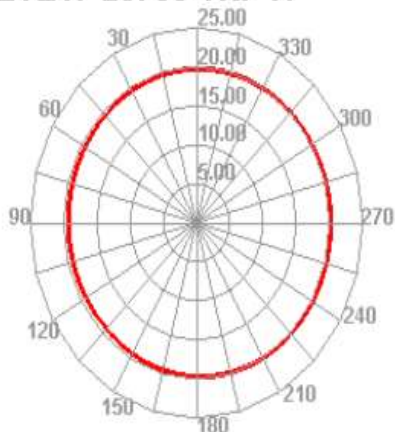


二十九 天线辐射苹果图

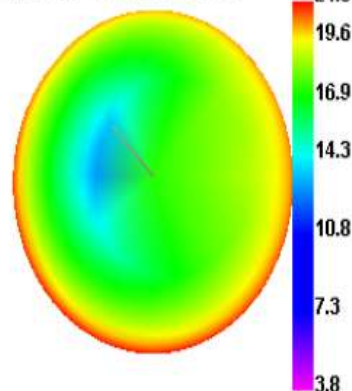
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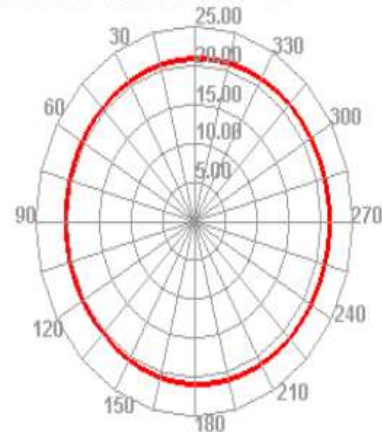
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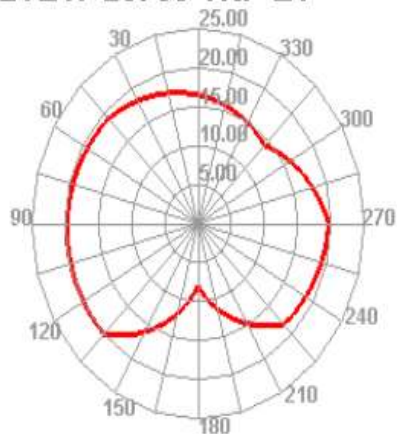
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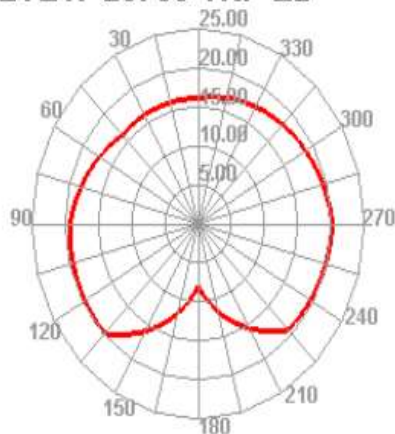
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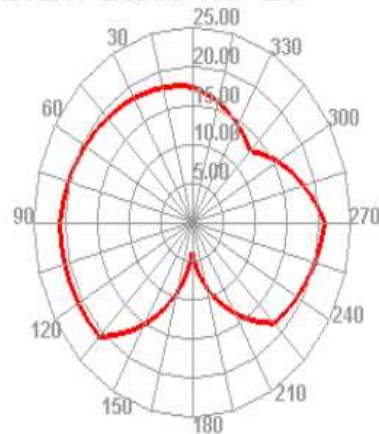
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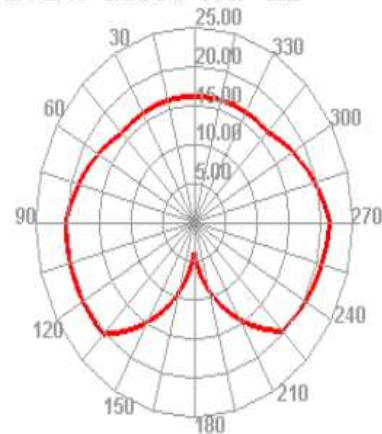
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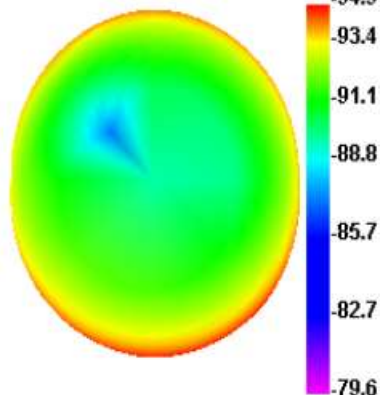


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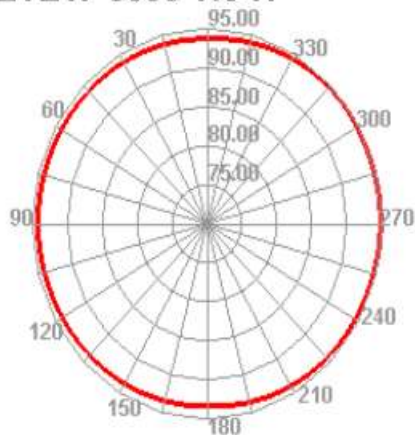


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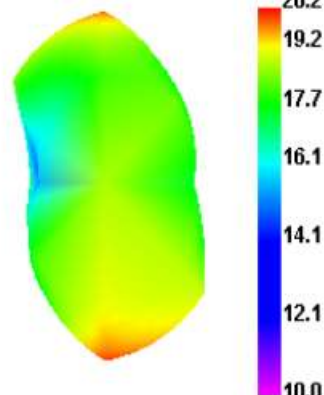
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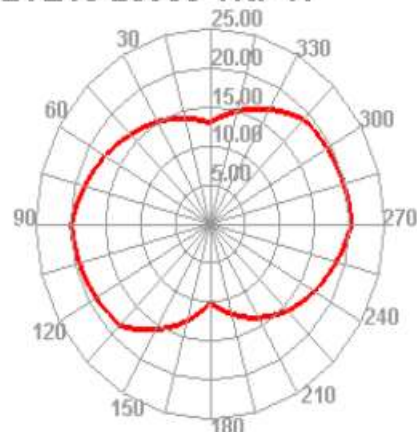
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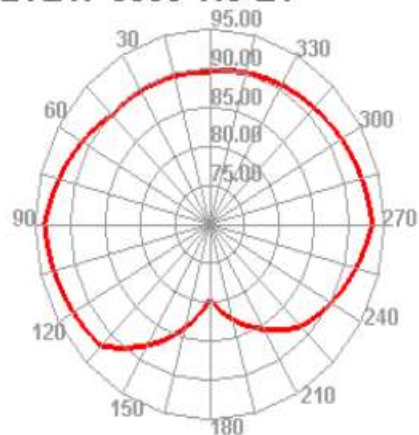
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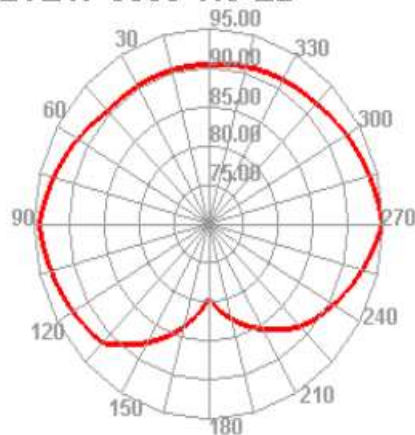
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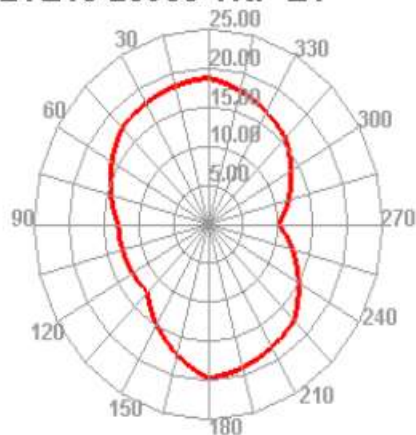
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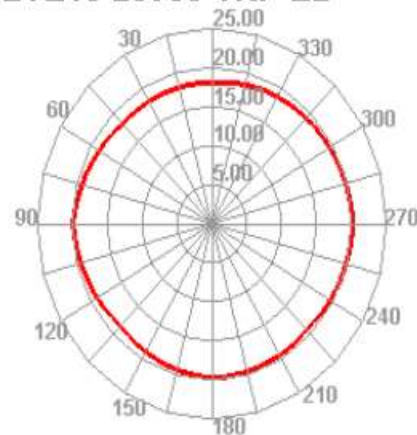
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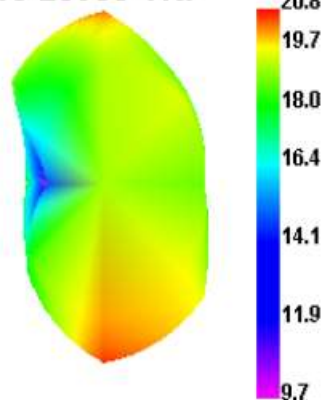


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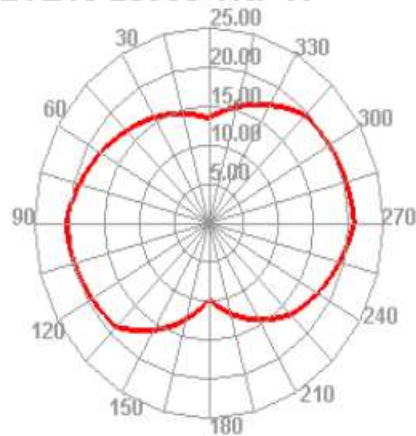


二十九 天线辐射苹果图

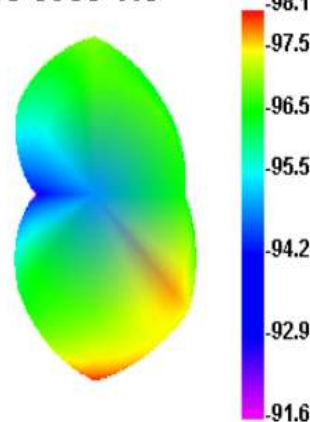
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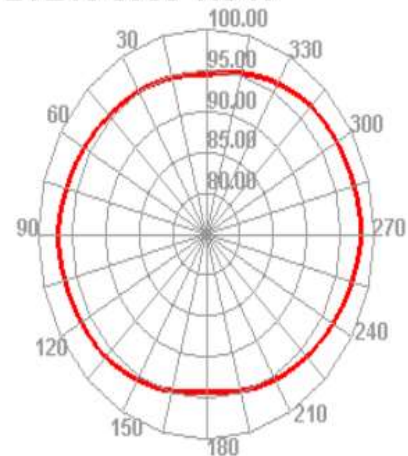
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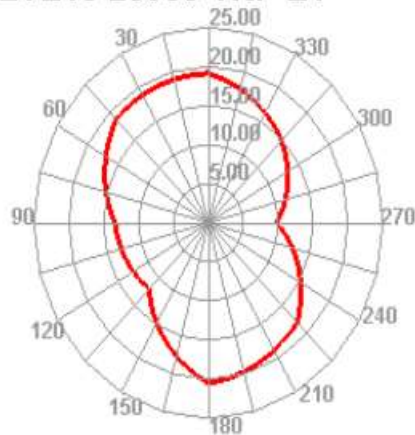
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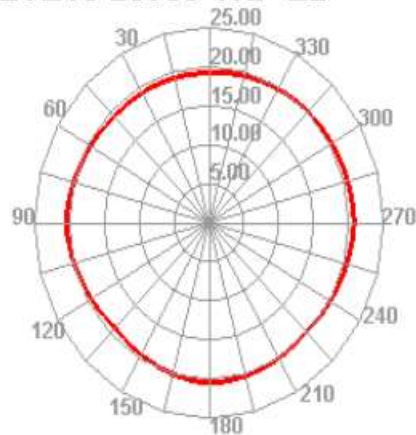
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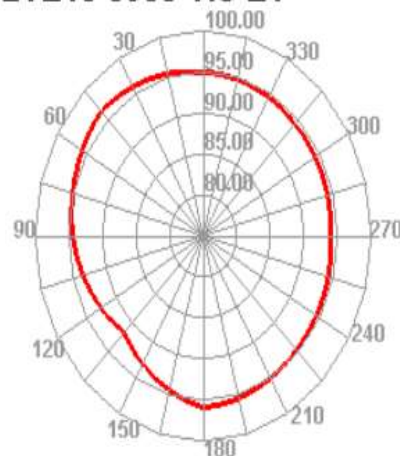
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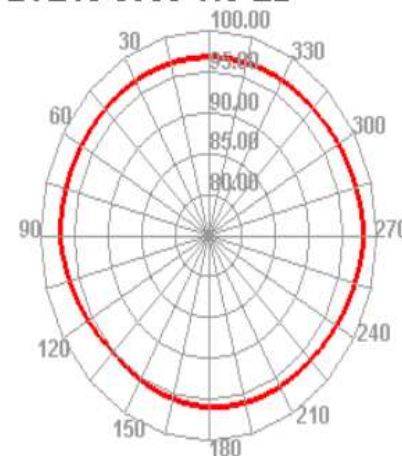
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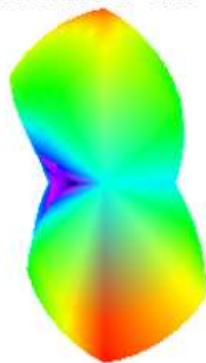


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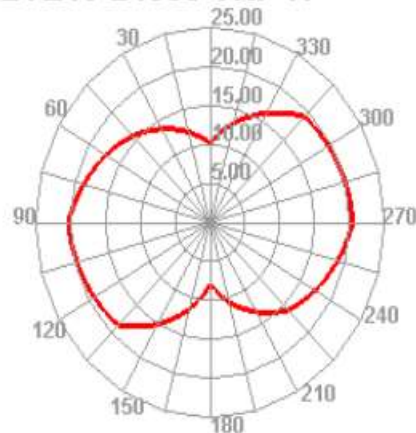


二十九 天线辐射苹果图

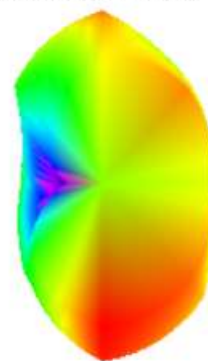
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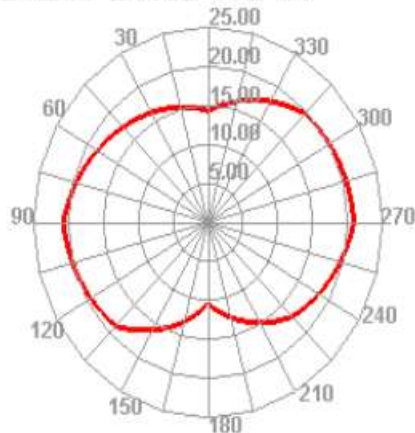
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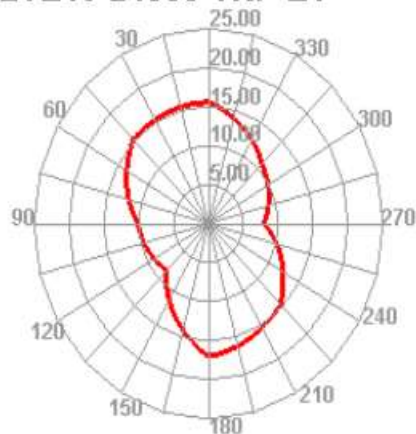
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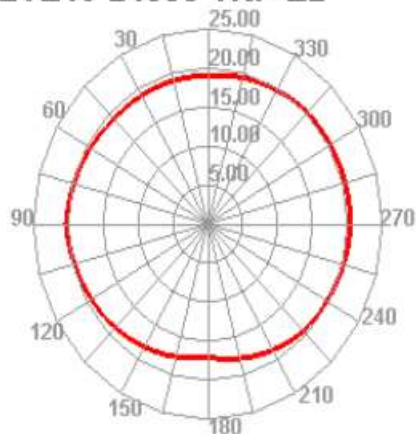
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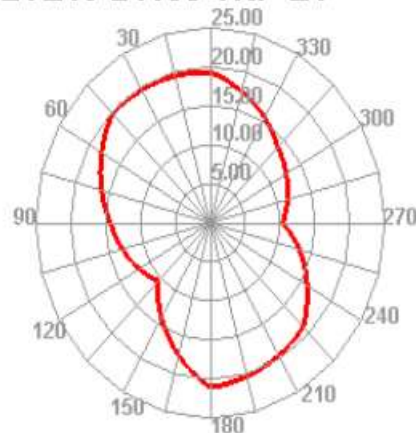
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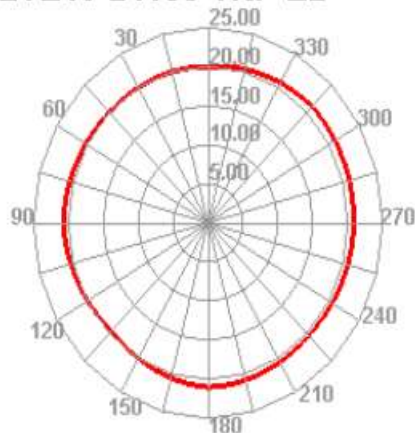
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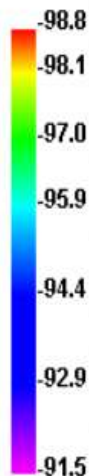
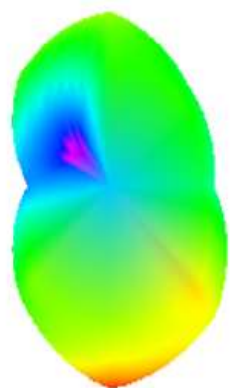


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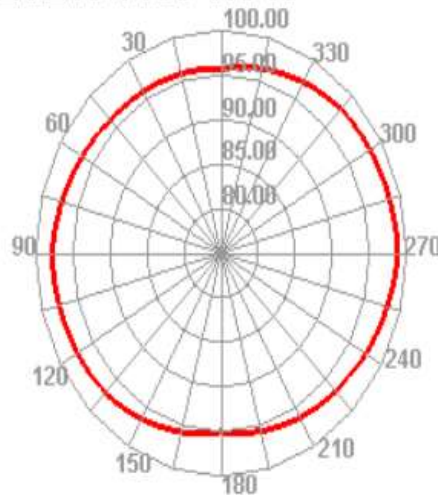


二十九 天线辐射苹果图

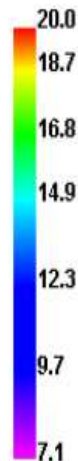
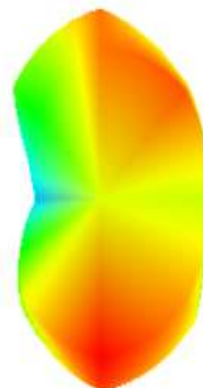
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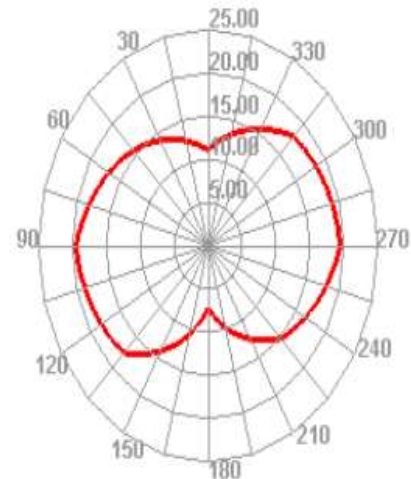
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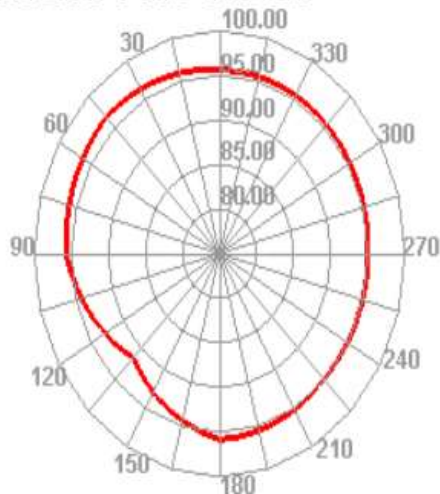
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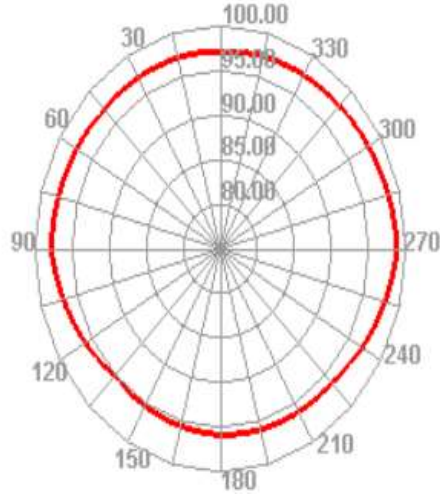
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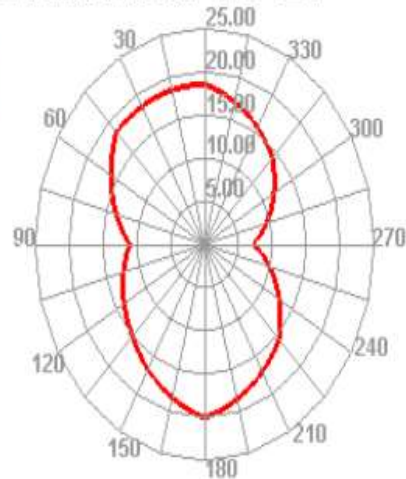
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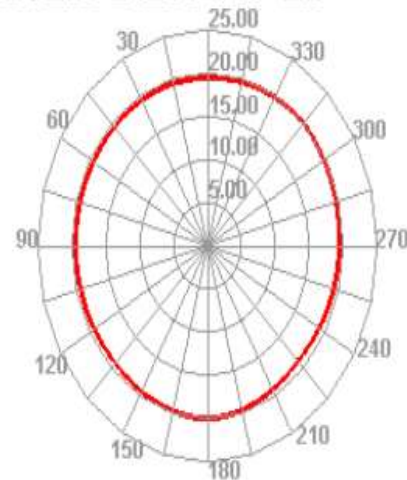
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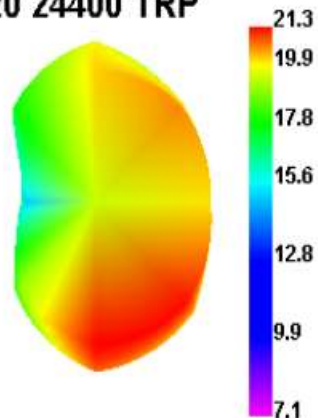


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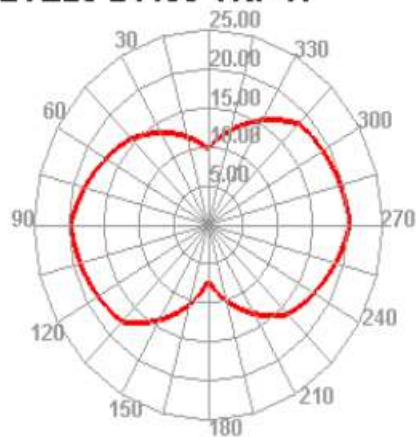


二十九 天线辐射苹果图

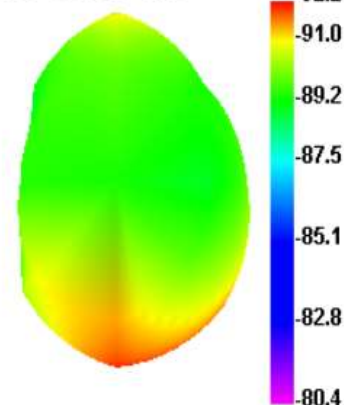
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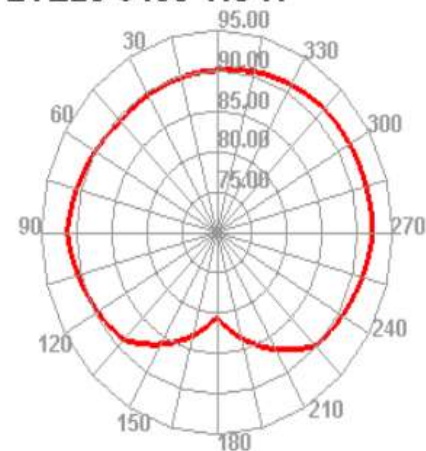
LTE20 24400 TRP H



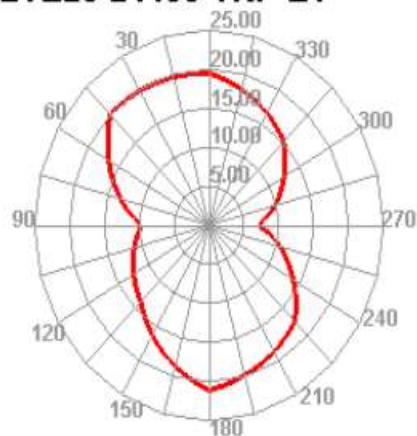
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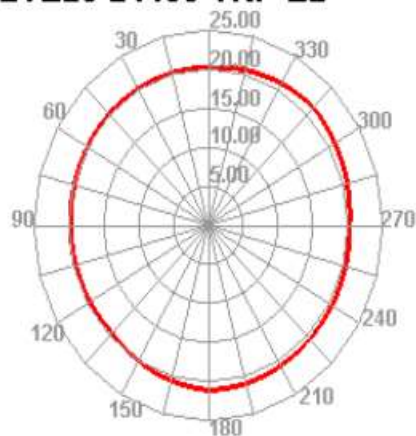
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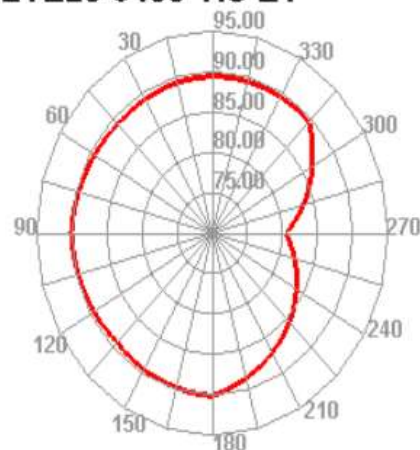
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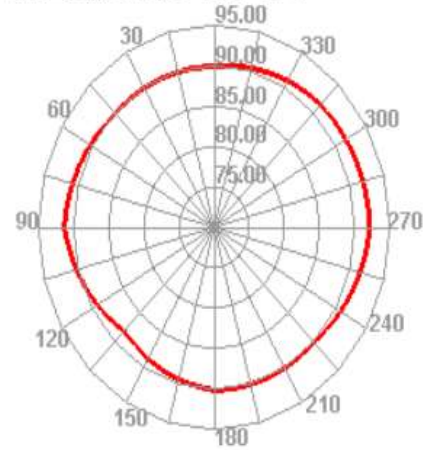
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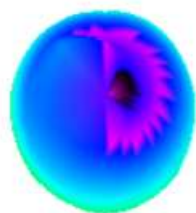


LTE20 6400 TIS E2

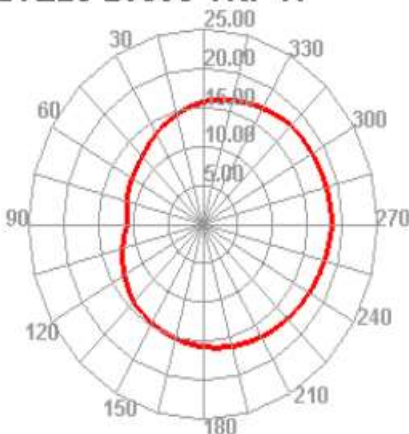


二十九 天线辐射苹果图

LTE25 26090 TRP



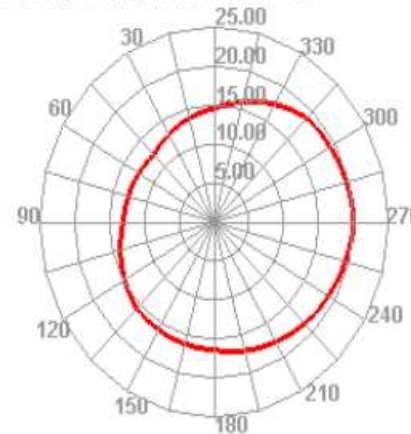
LTE25 26090 TRP H



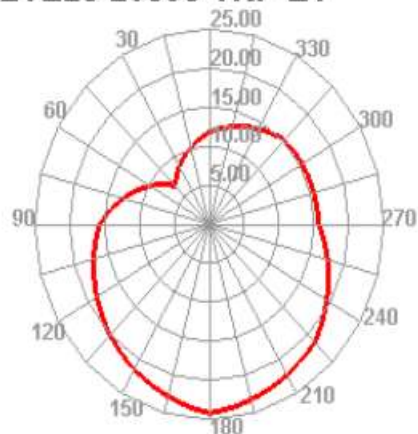
LTE25 26640 TRP



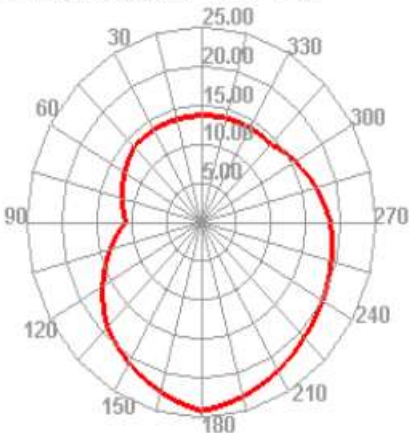
LTE25 26640 TRP H



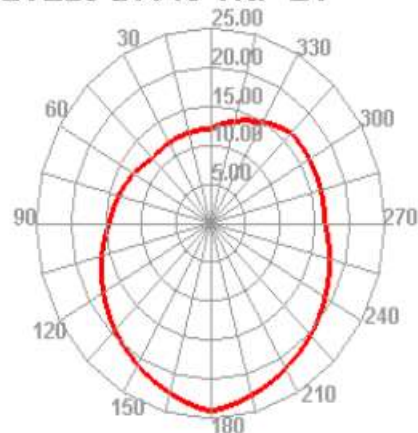
LTE25 26090 TRP E1



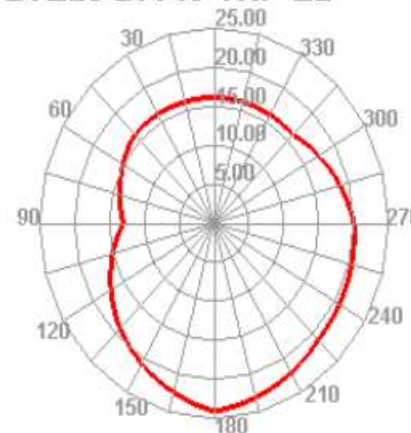
LTE25 26090 TRP E2



LTE25 26640 TRP E1

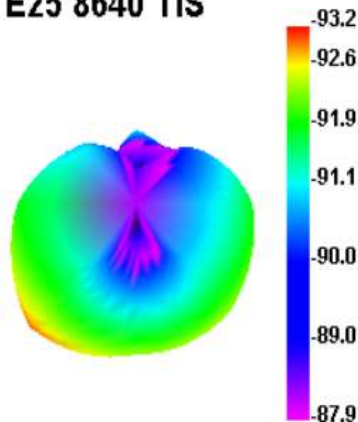


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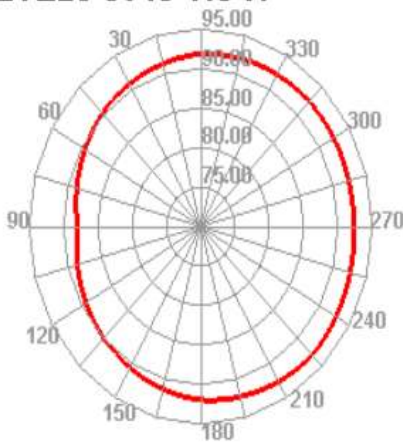


二十九 天线辐射苹果图

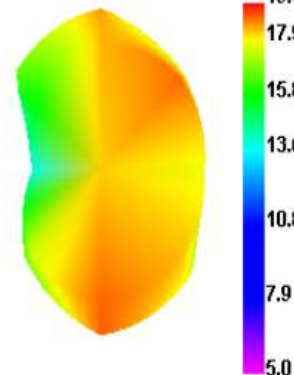
LTE25 8640 TIS



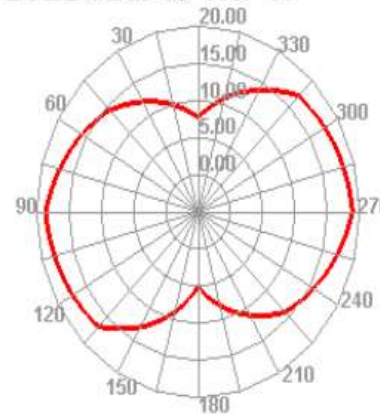
LTE25 8640 TIS H



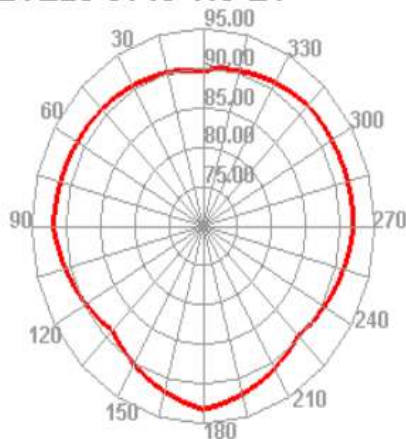
LTE26 26740 TRP



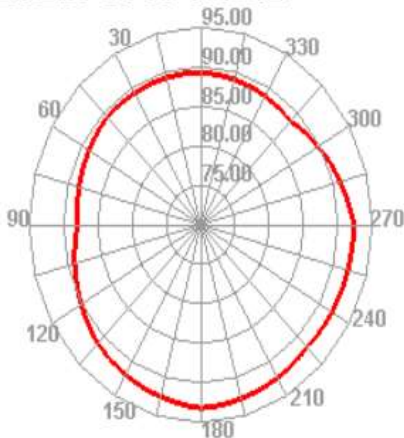
LTE26 26740 TRP H



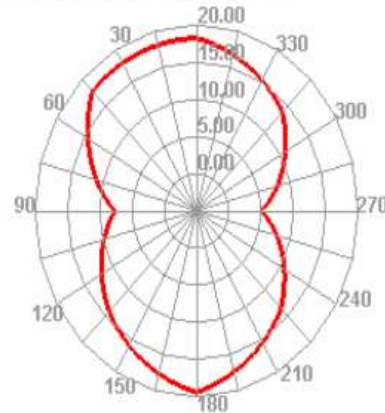
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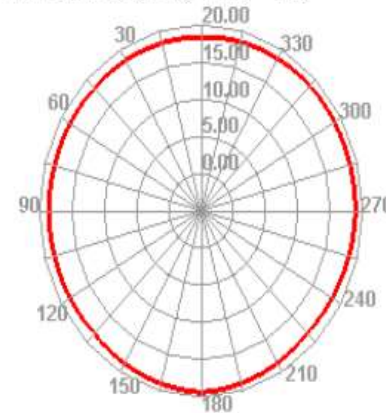
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LTE26 26740 TRP E1

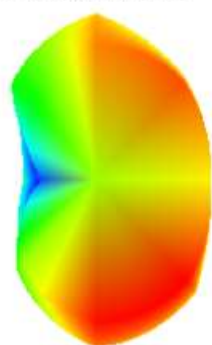


LTE26 26740 TRP E2

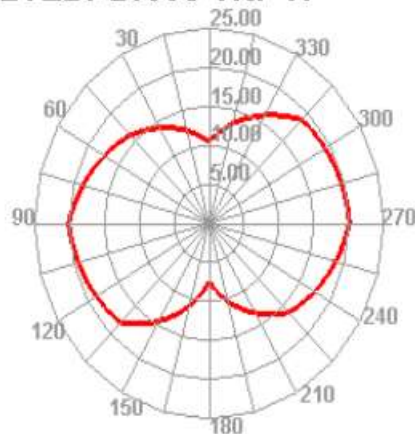


二十九 天线辐射苹果图

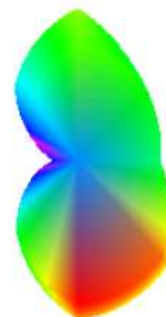
LTE26 26990 TRP



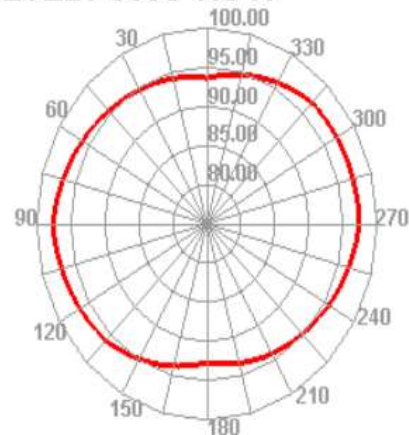
LTE26 26990 TRP H



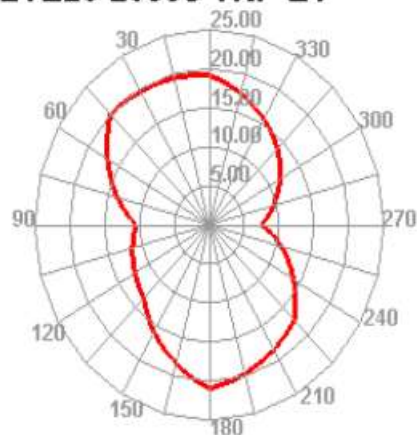
LTE26 8990 TIS



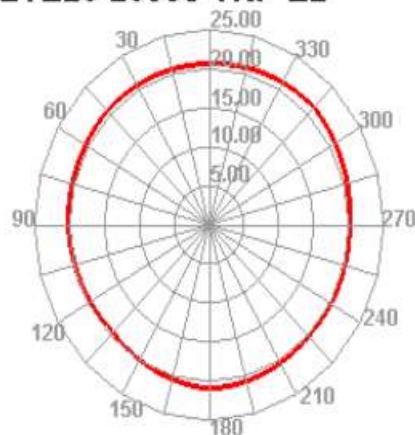
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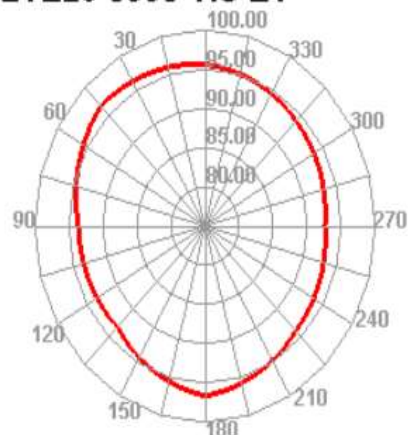
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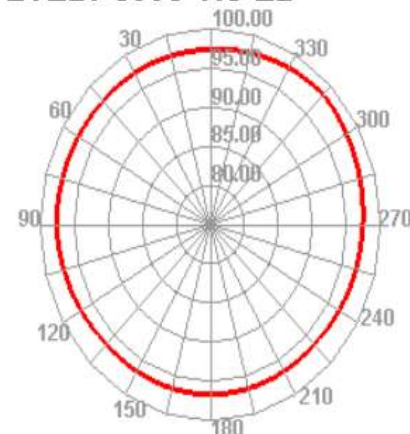
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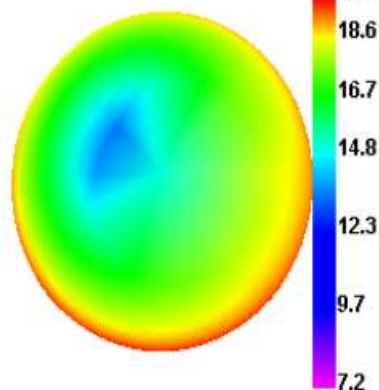


LTE26 8990 TIS E2

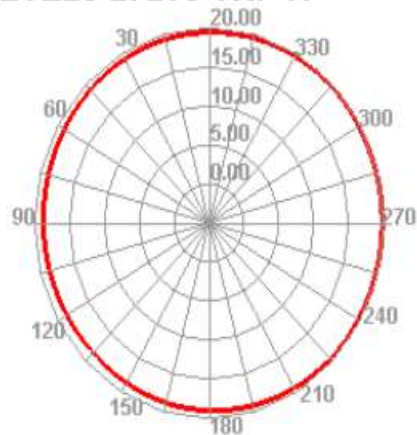


二十九 天线辐射苹果图

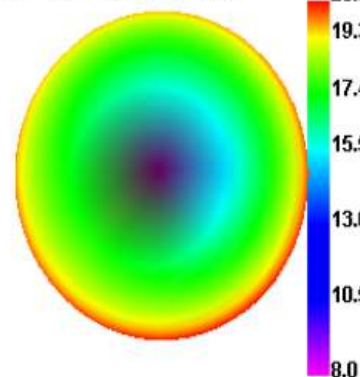
LTE28 27260 TRP



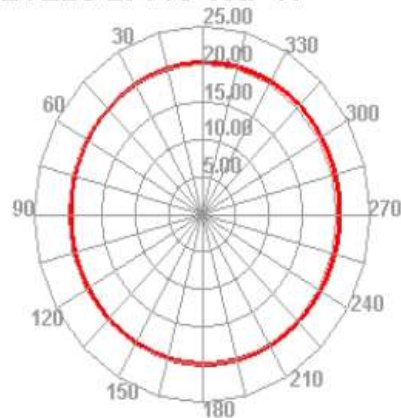
LTE28 27260 TRP H



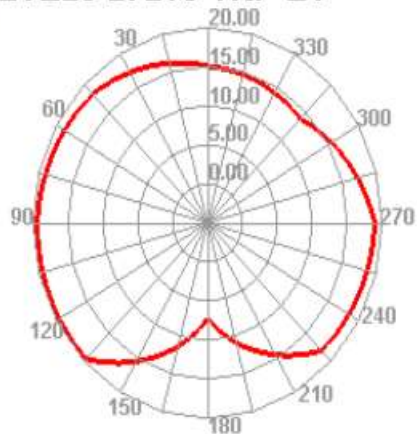
LTE28 27610 TRP



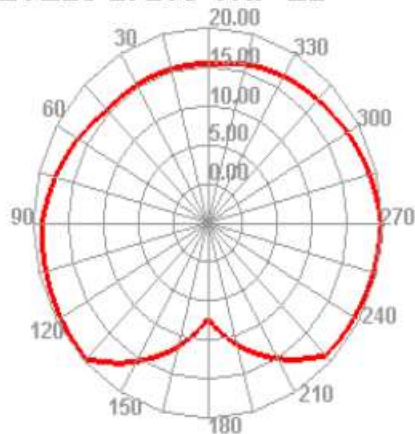
LTE28 27610 TRP H



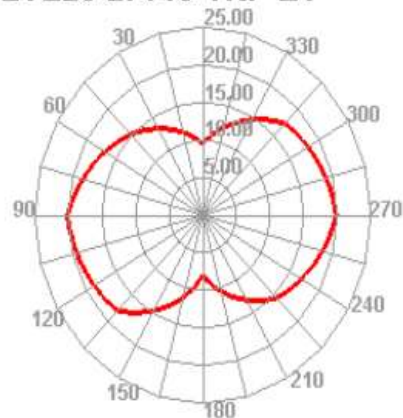
LTE28 27260 TRP E1



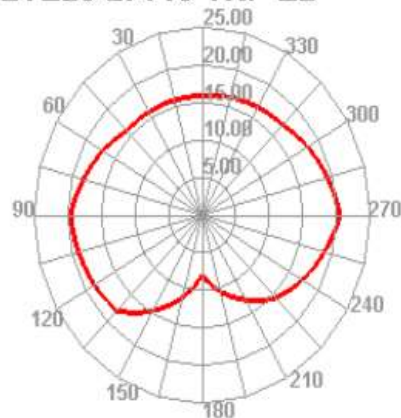
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LTE28 27610 TRP E1

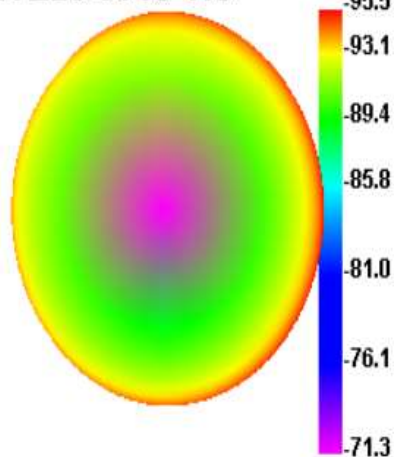


LTE28 27610 TRP E2

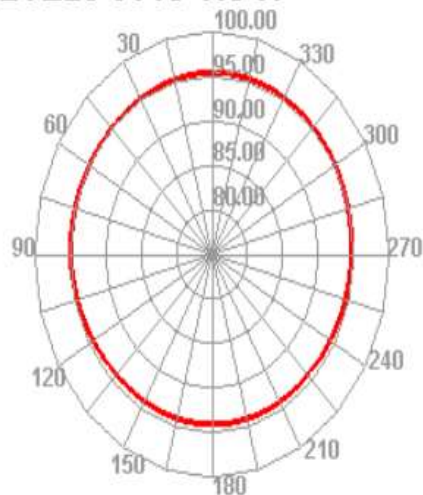


二十九 天线辐射苹果图

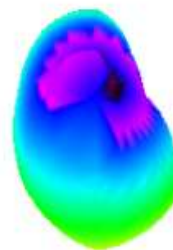
LTE28 9610 TIS



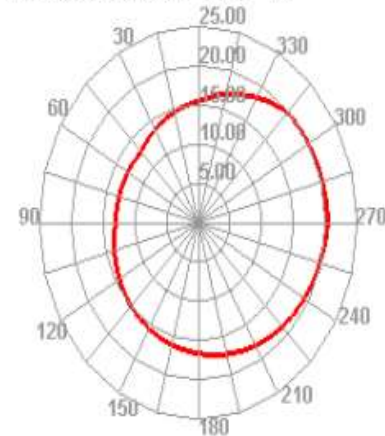
LTE28 9610 TIS H



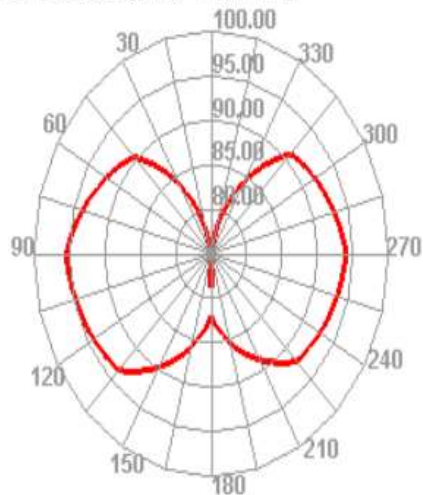
LTE34 36250 TRP



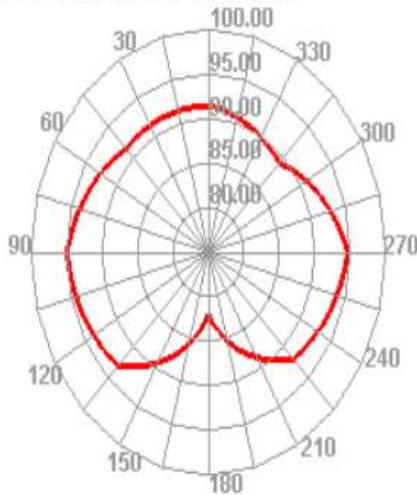
LTE34 36250 TRP H



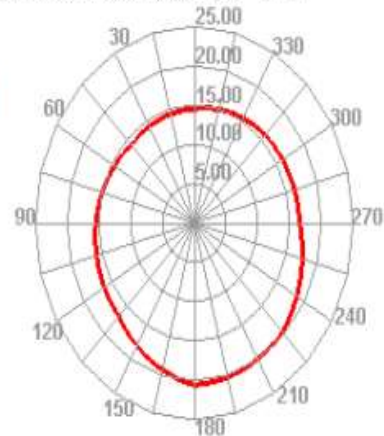
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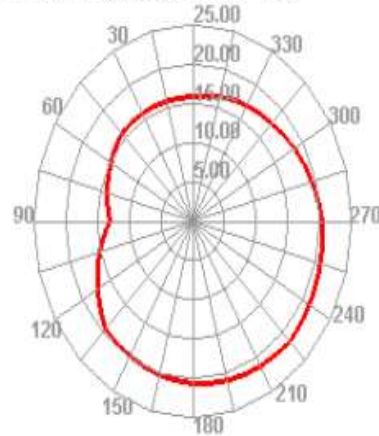
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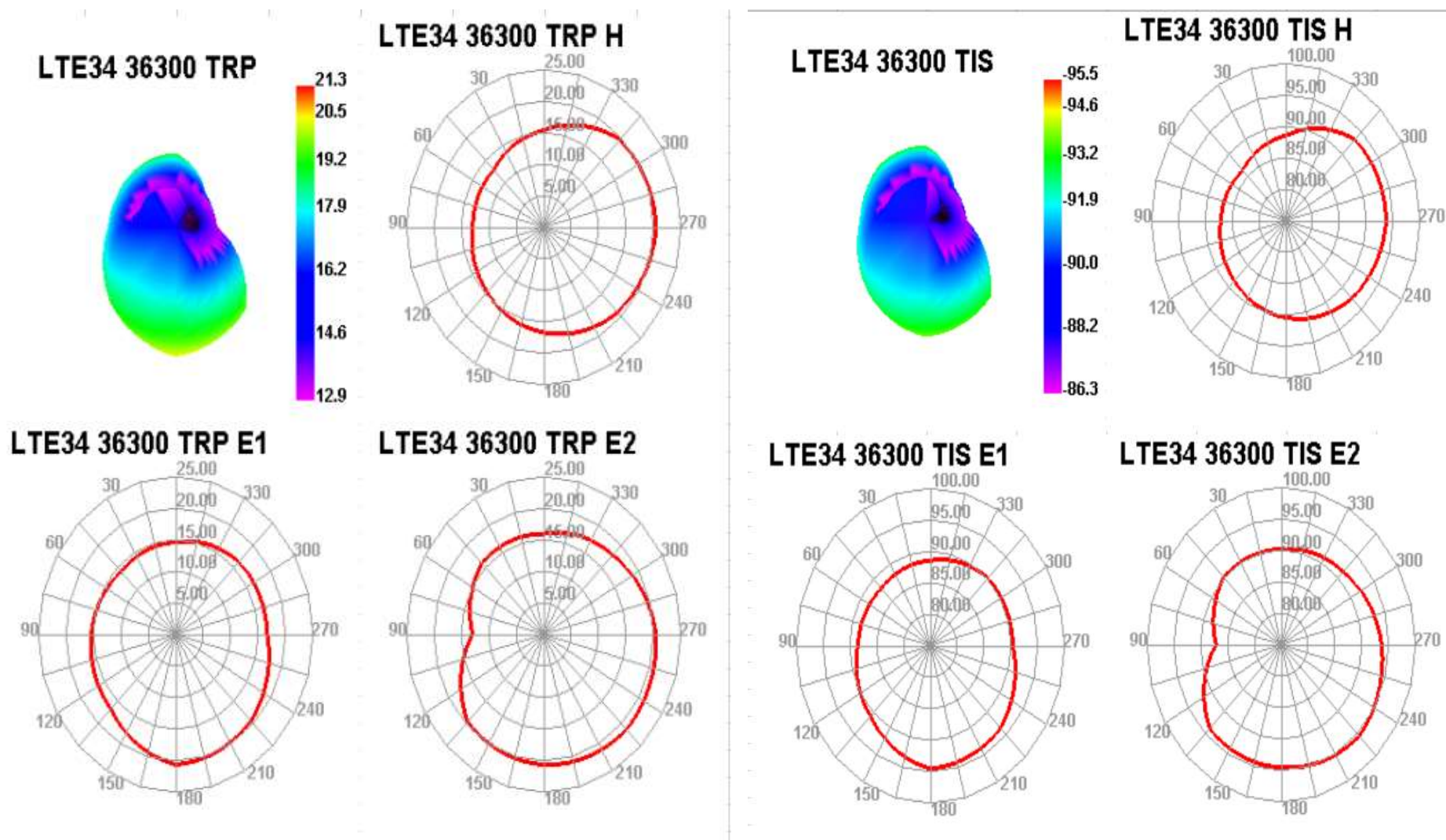
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LTE34 36250 TRP E2

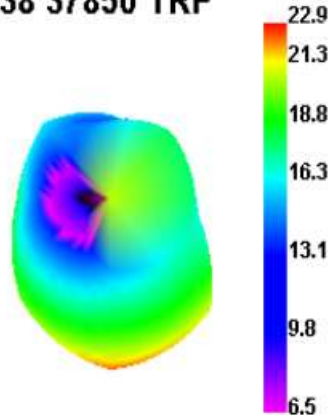


二十九 天线辐射苹果图

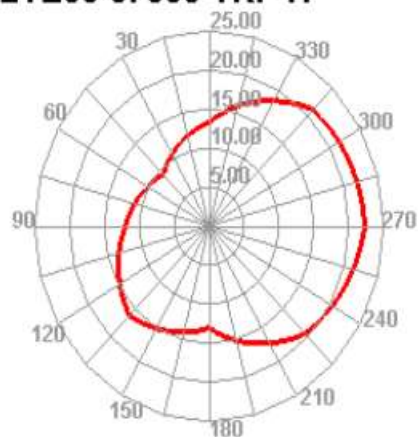


二十九 天线辐射苹果图

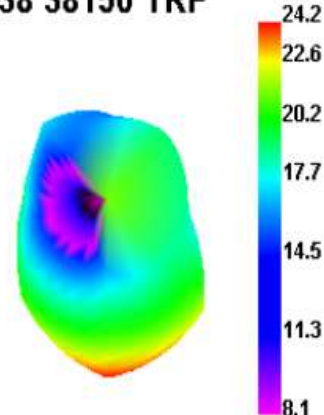
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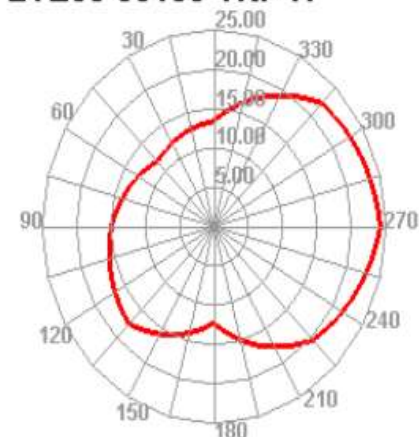
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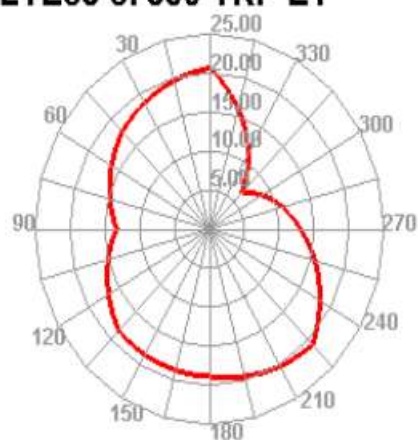
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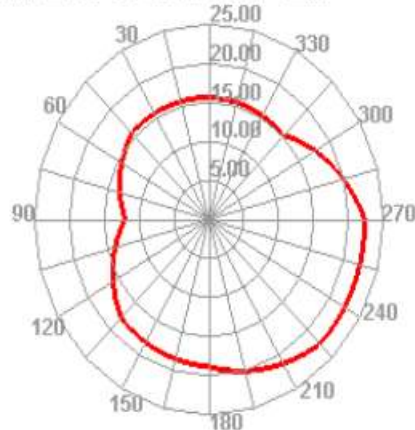
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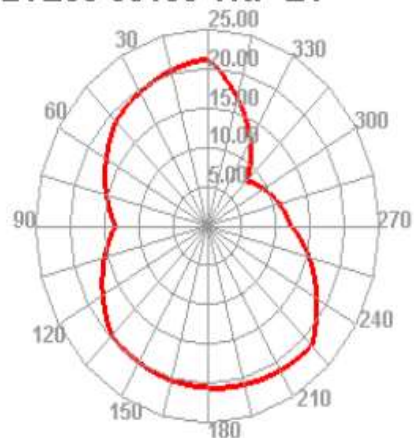
LTE38 37850 TRP E1



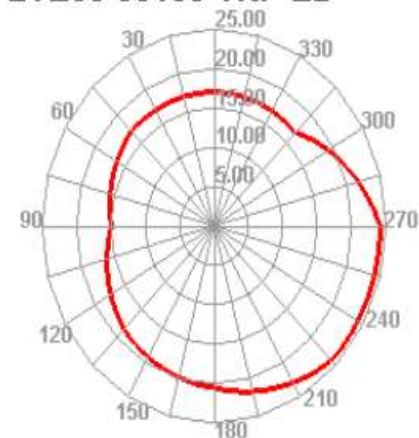
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LTE38 38150 TRP E1

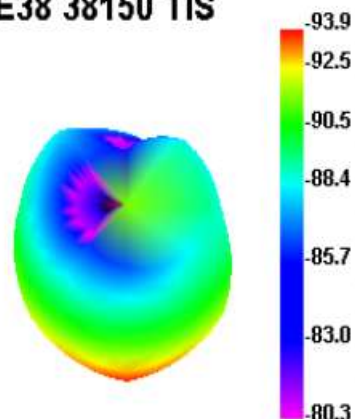


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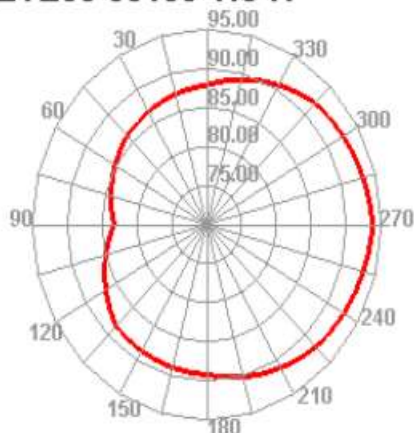


二十九 天线辐射苹果图

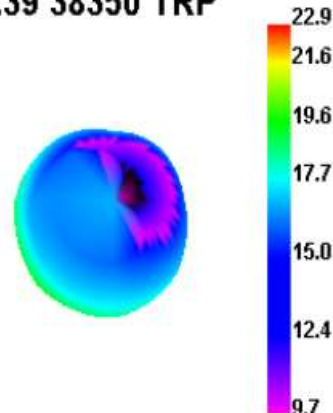
LTE38 38150 TIS



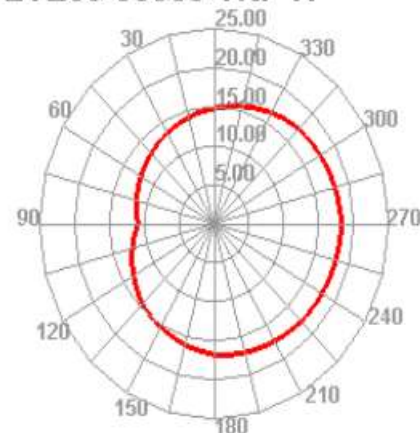
LTE38 38150 TIS H



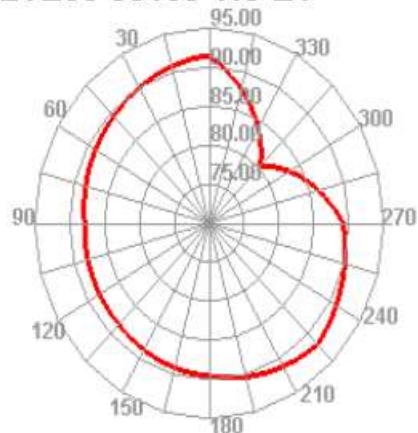
LTE39 38350 TRP



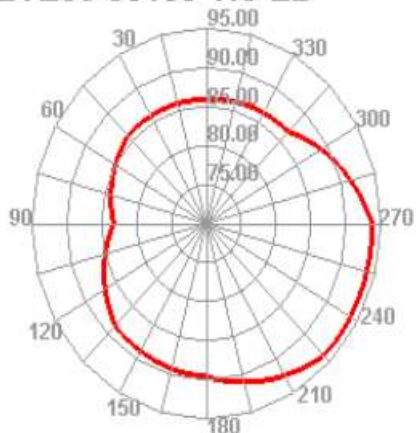
LTE39 38350 TRP H



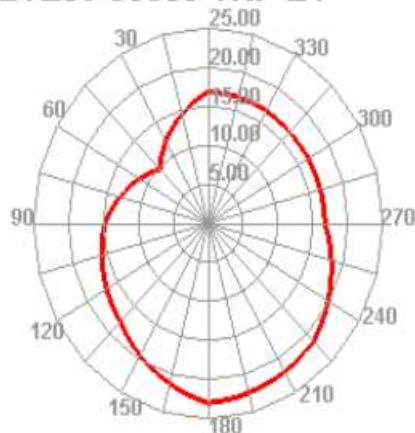
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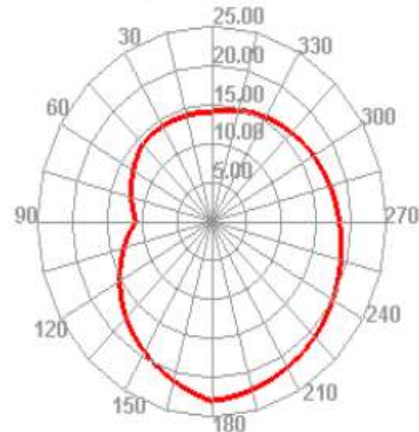
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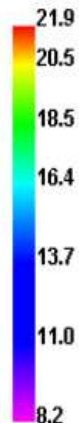
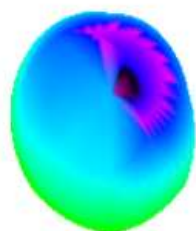


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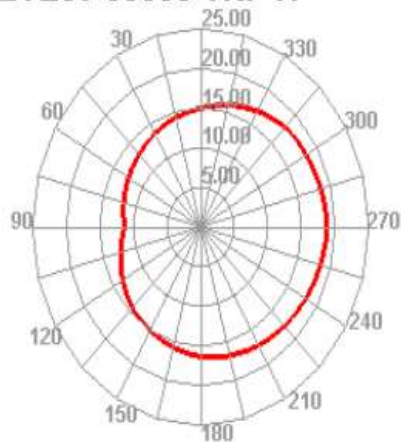


二十九 天线辐射苹果图

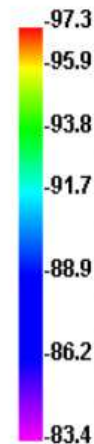
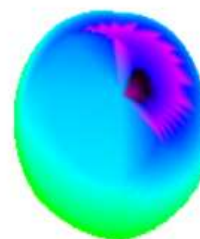
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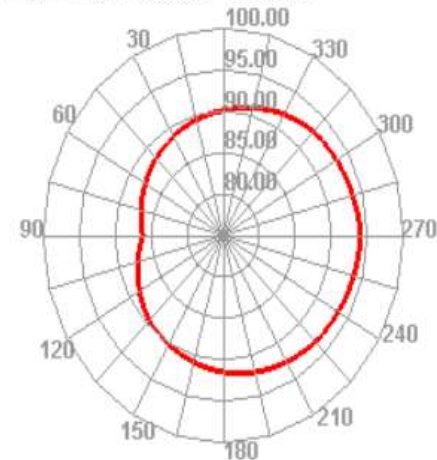
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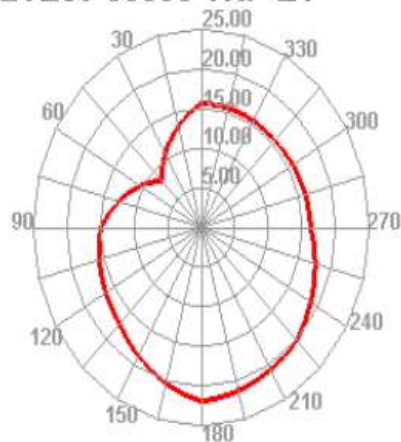
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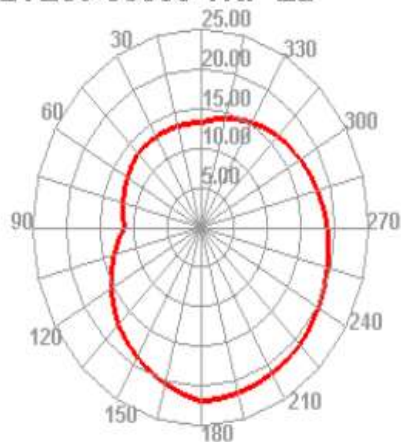
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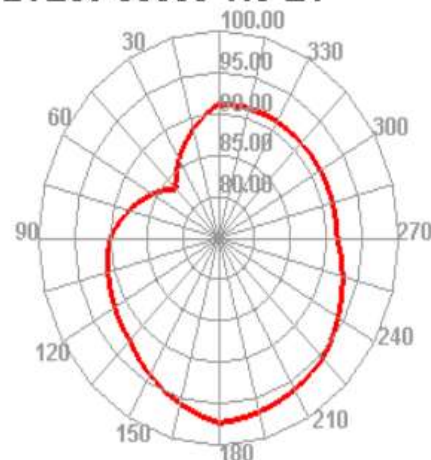
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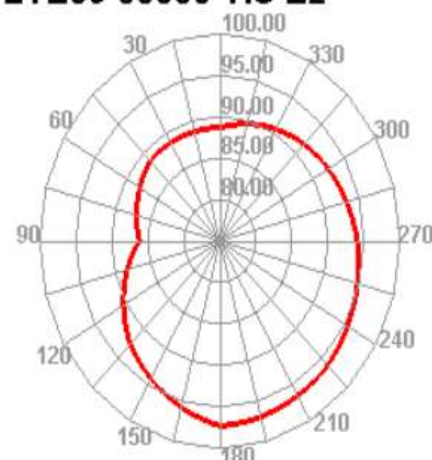
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LTE39 38550 TIS E1

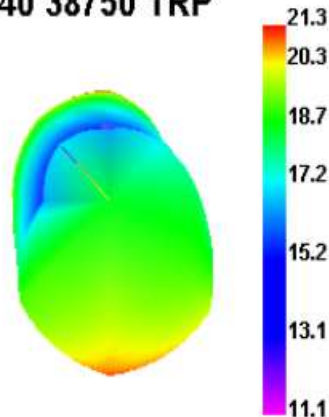


LTE39 38550 TIS E2

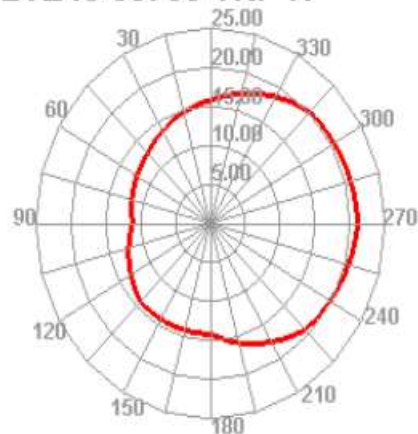


二十九 天线辐射苹果图

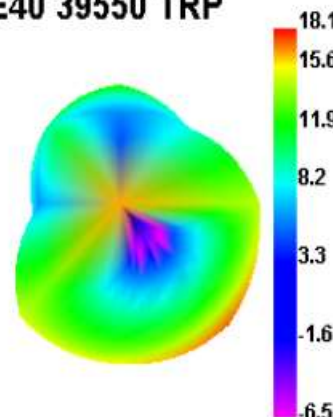
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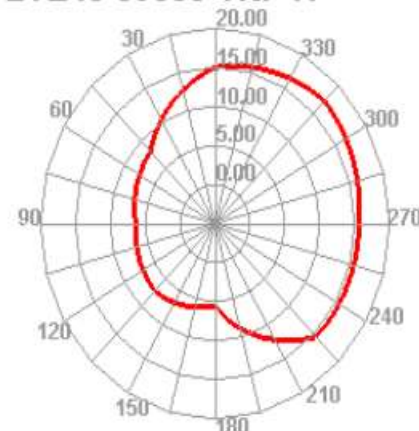
LTE40 38750 TRP H



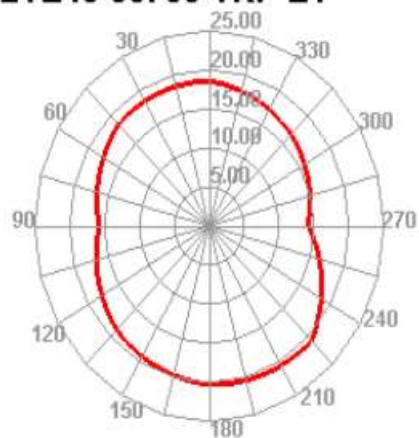
LTE40 39550 TRP



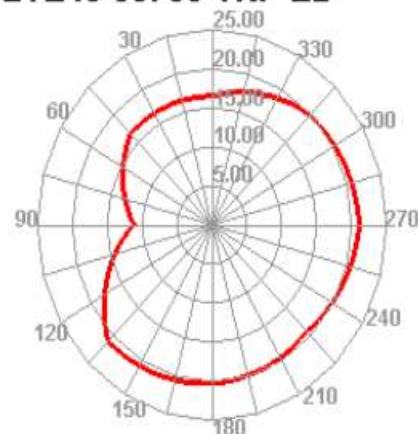
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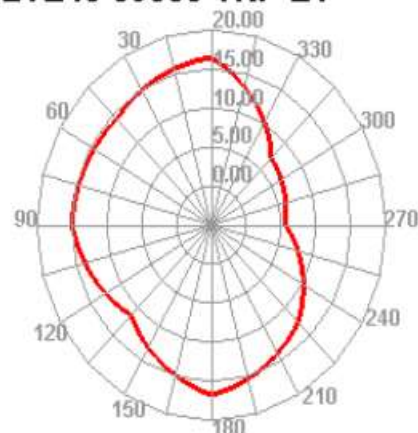
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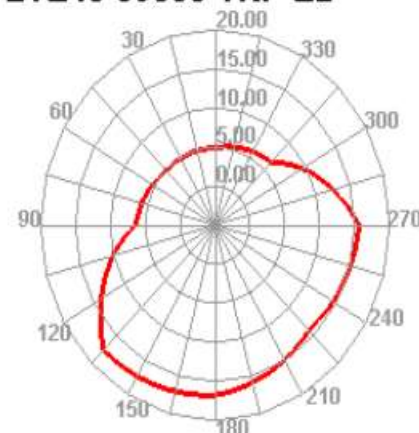
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LTE40 39550 TRP E1

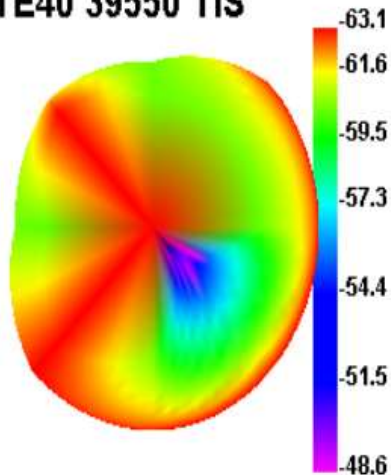


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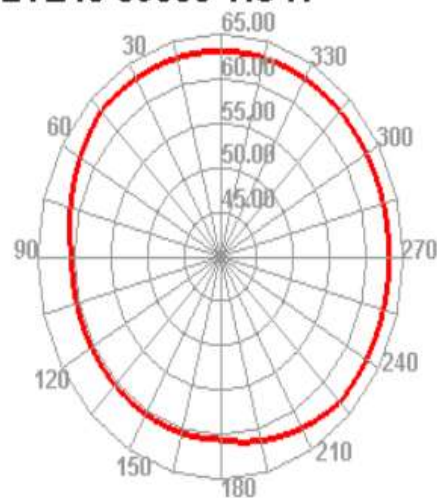


二十九 天线辐射苹果图

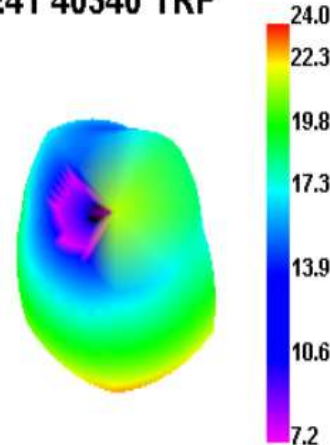
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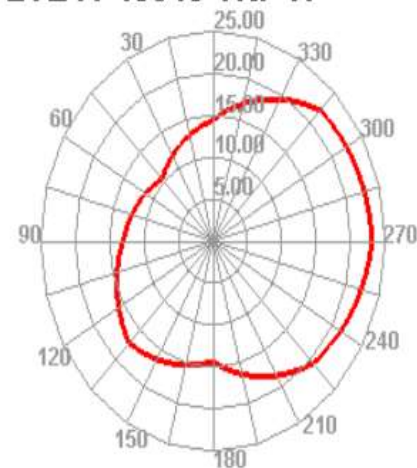
LTE40 39550 TIS H



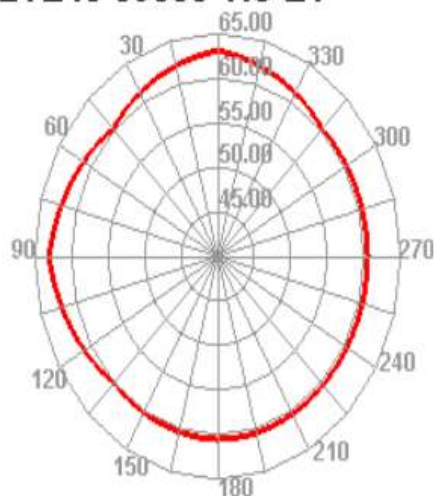
LTE41 40340 TRP



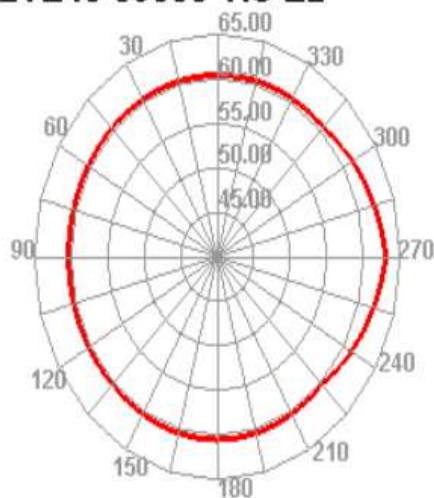
LTE41 40340 TRP H



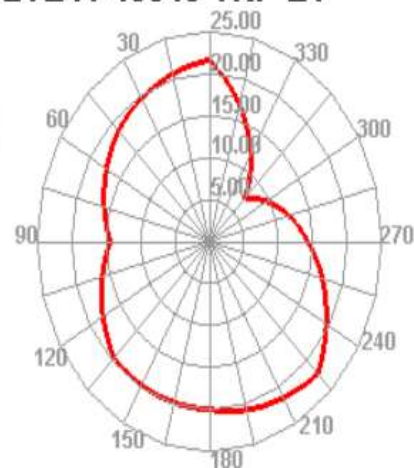
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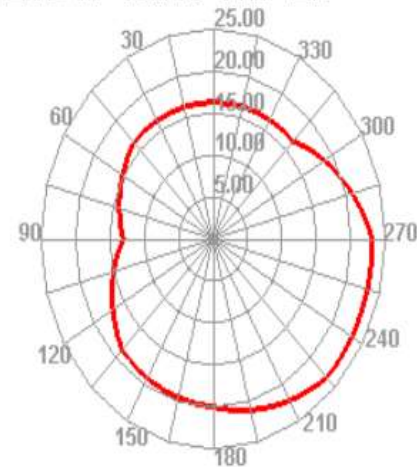
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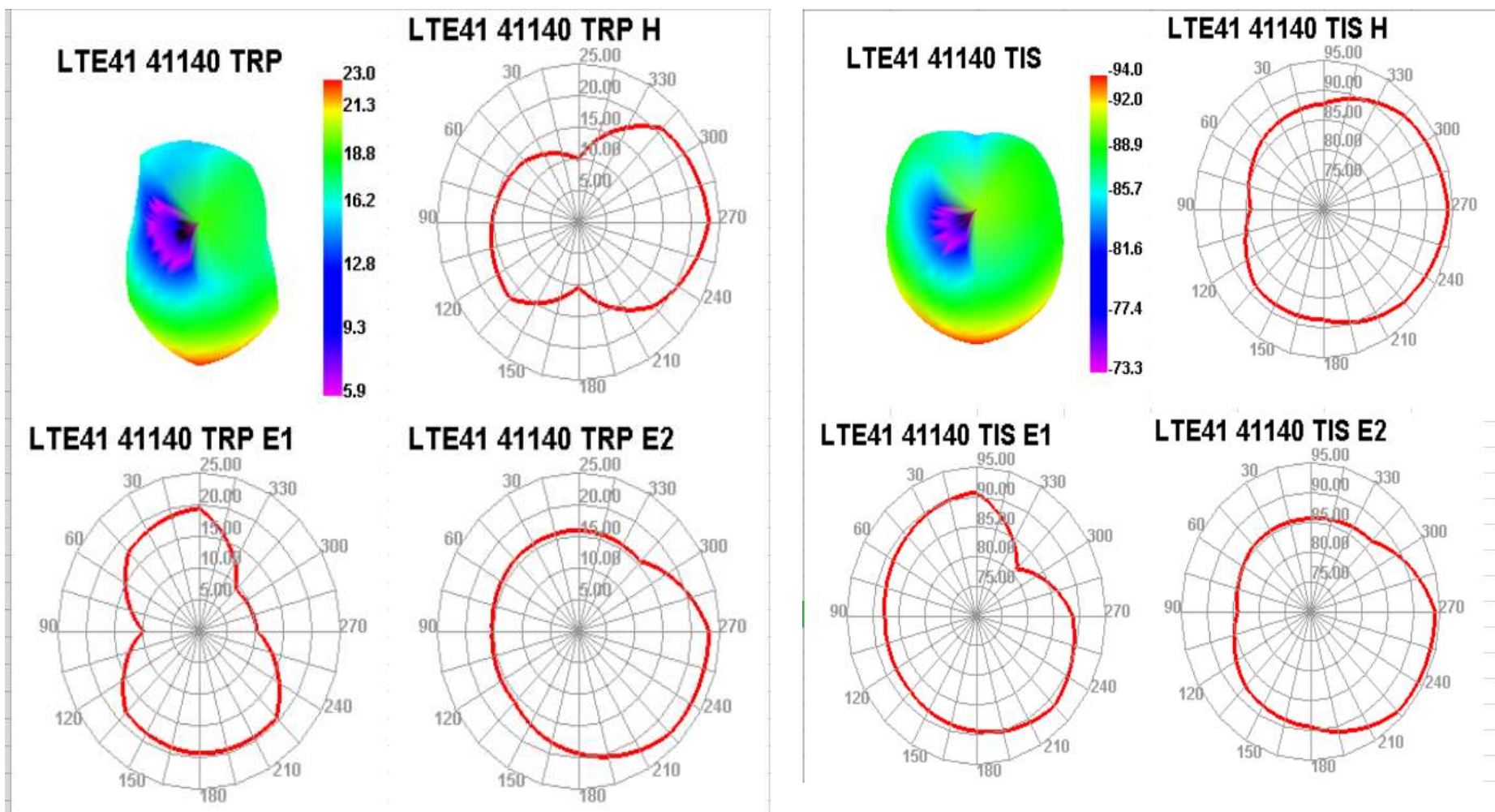
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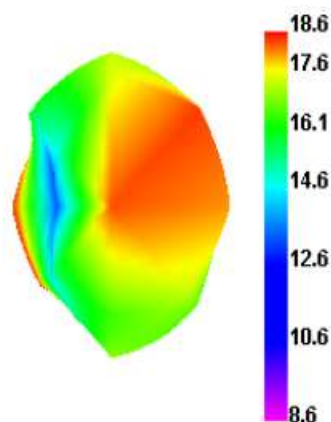


二十九 天线辐射苹果图

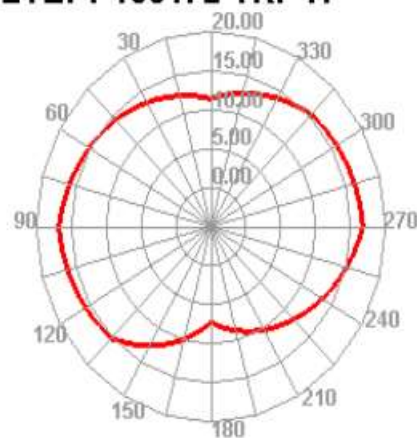


二十九 天线辐射苹果图

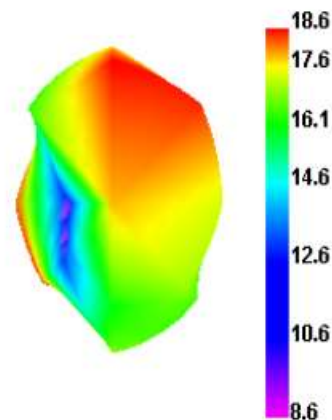
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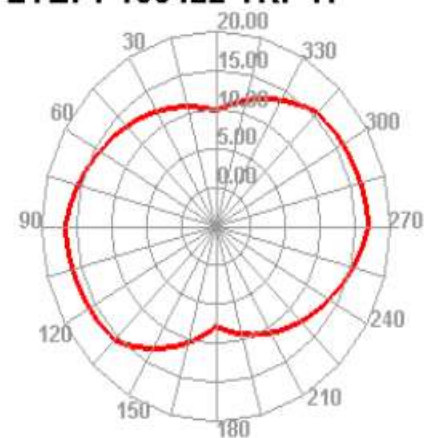
LTE71 133172 TRP H



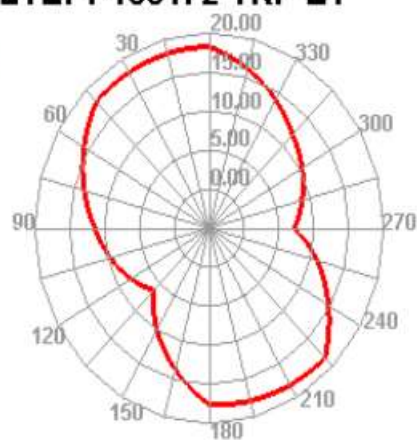
LTE71 133422 TRP



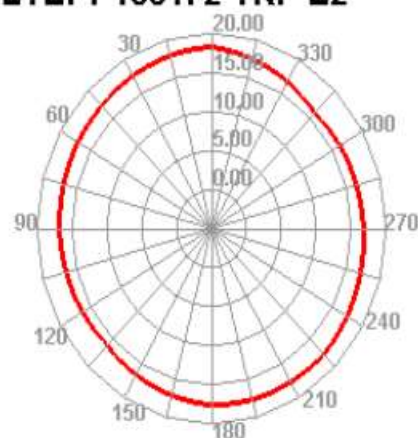
LTE71 133422 TRP H



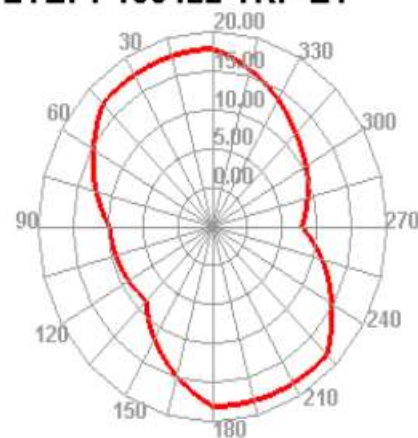
LTE71 133172 TRP E1



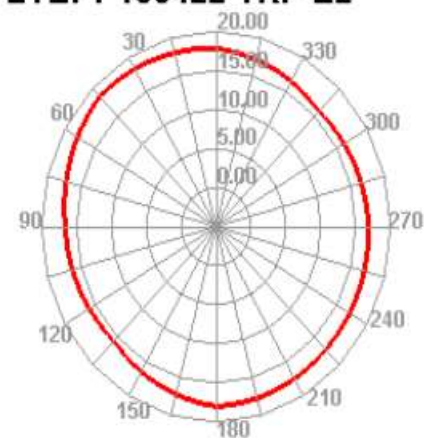
LTE71 133172 TRP E2



LTE71 133422 TRP E1

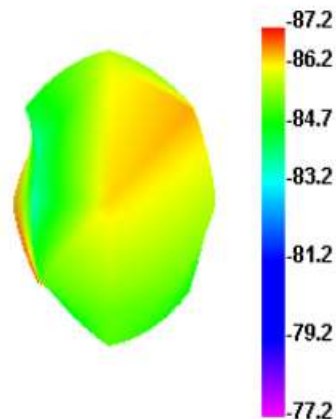


LTE71 133422 TRP E2

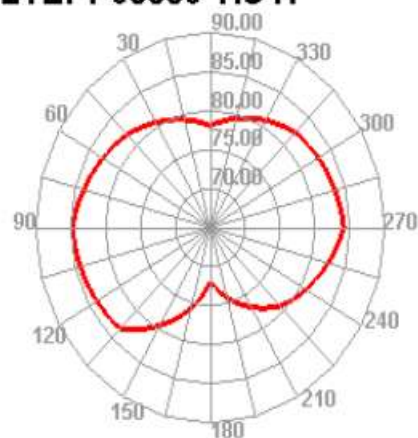


二十九 天线辐射苹果图

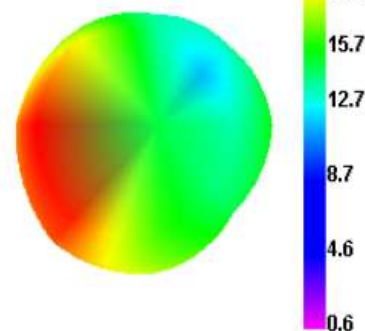
LTE71 68886 TIS



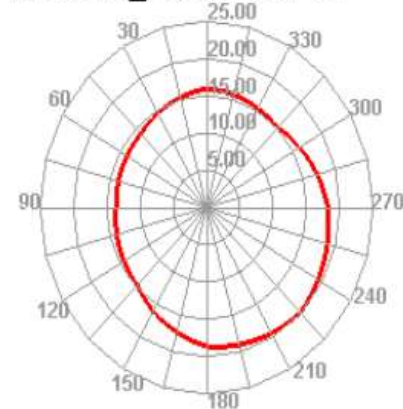
LTE71 68886 TIS H



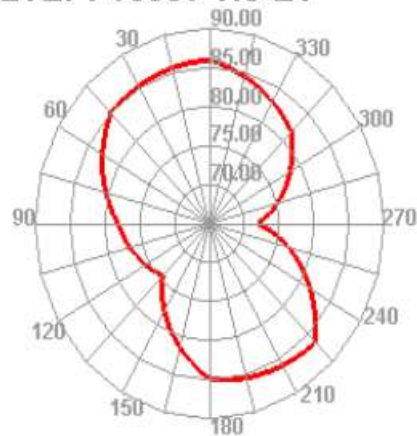
WCDMA_I 9612 TRP



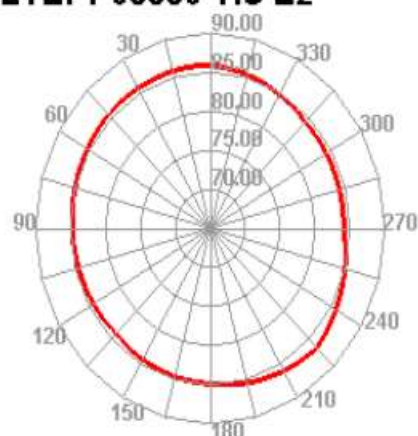
WCDMA_I 9612 TRP H



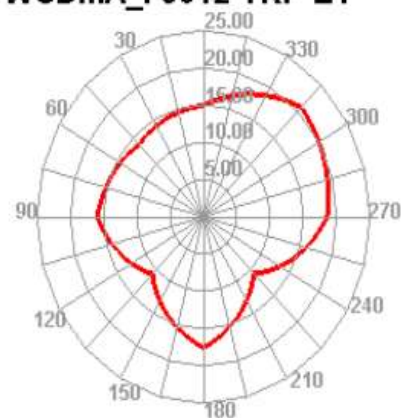
LTE71 68886 TIS E1



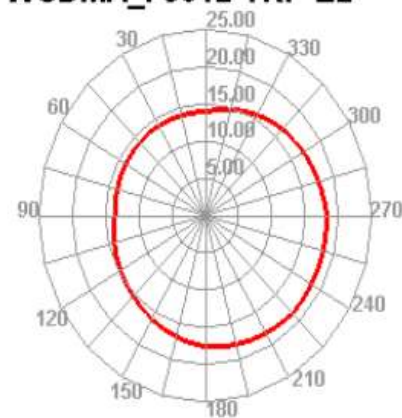
LTE71 68886 TIS E2



WCDMA_I 9612 TRP E1

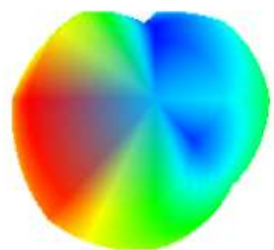


WCDMA_I 9612 TRP E2

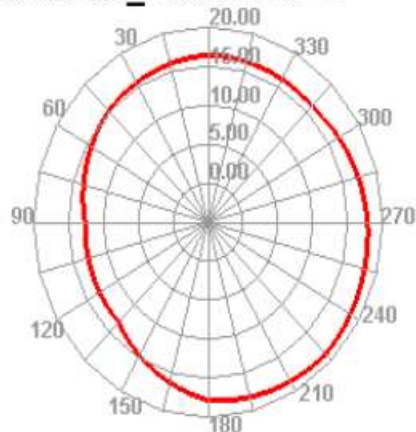


二十九 天线辐射苹果图

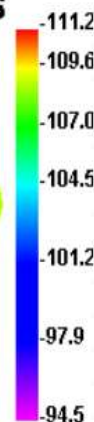
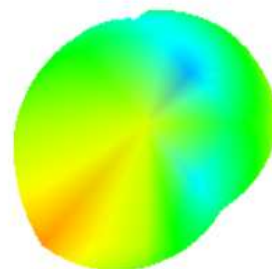
WCDMA_I 9888 TRP



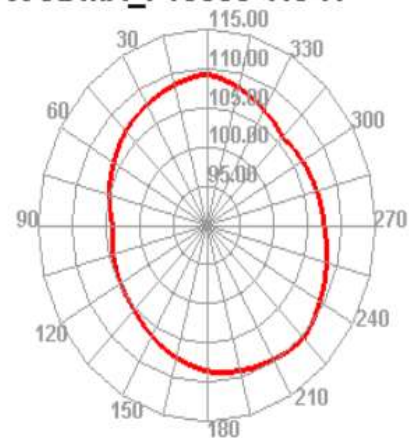
WCDMA_I 9888 TRP H



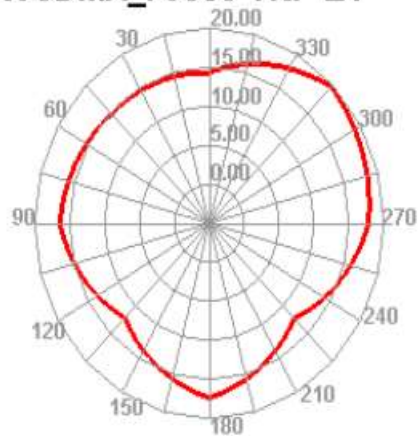
WCDMA_I 10838 TIS



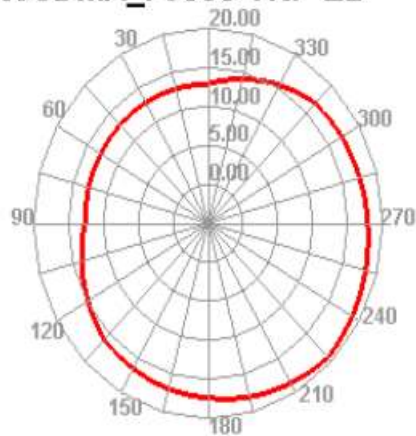
WCDMA_I 10838 TIS H



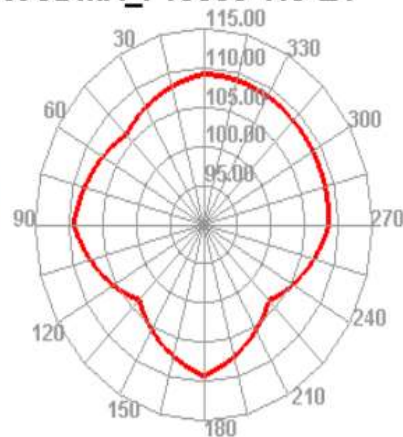
WCDMA_I 9888 TRP E1



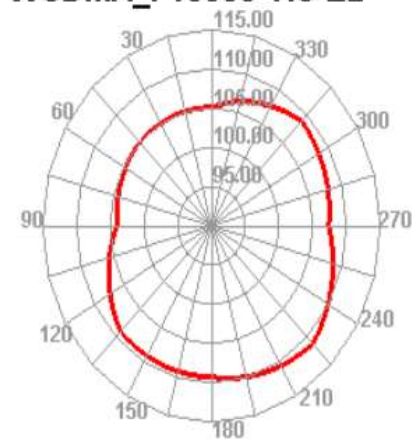
WCDMA_I 9888 TRP E2



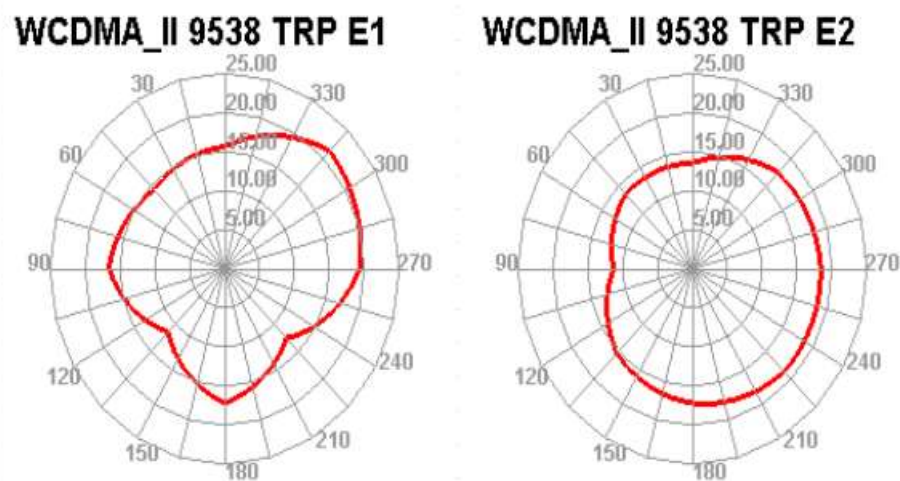
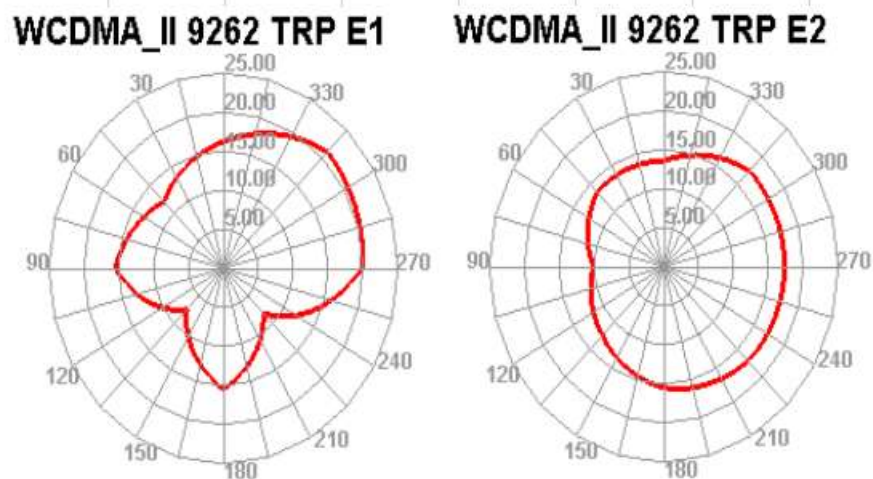
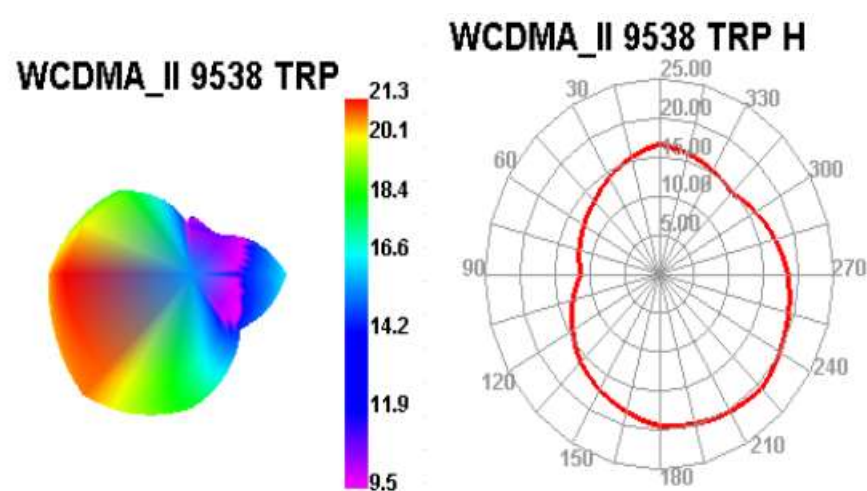
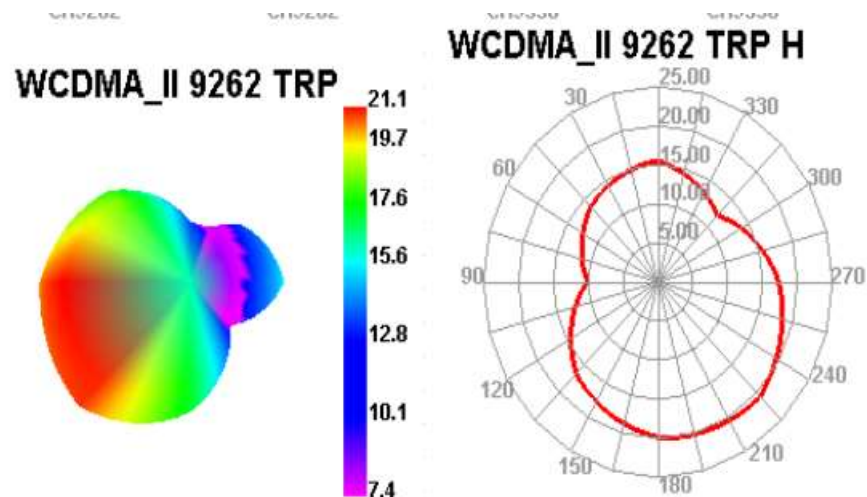
WCDMA_I 10838 TIS E1



WCDMA_I 10838 TIS E2

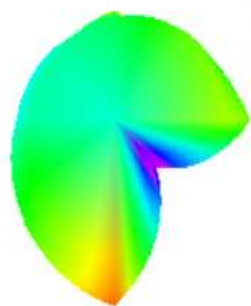


二十九 天线辐射苹果图

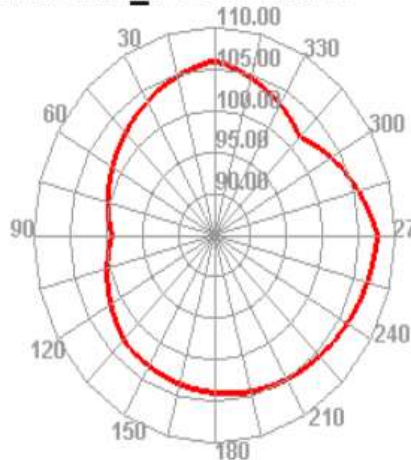


二十九 天线辐射苹果图

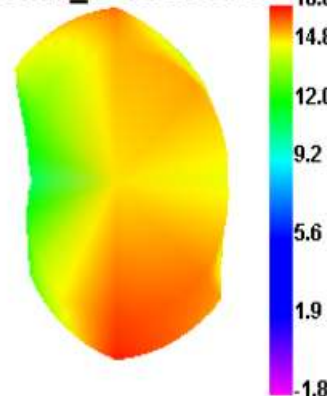
WCDMA_II 9938 TIS



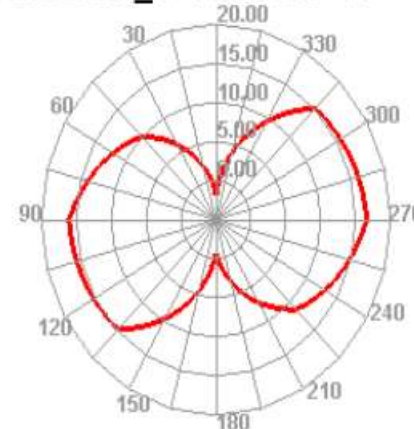
WCDMA_II 9938 TIS H



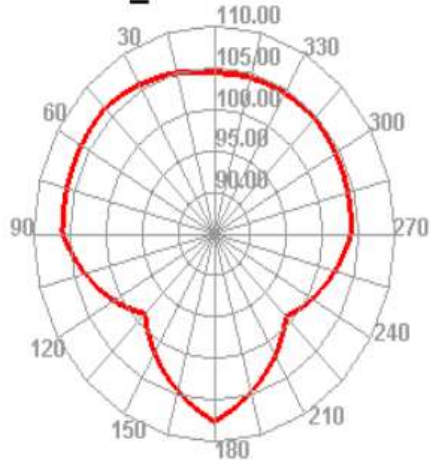
WCDMA_V 4132 TRP



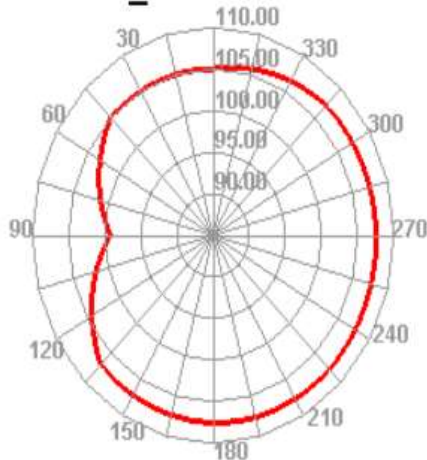
WCDMA_V 4132 TRP H



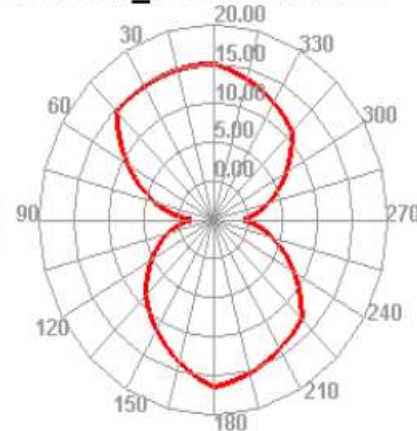
WCDMA_II 9938 TIS E1



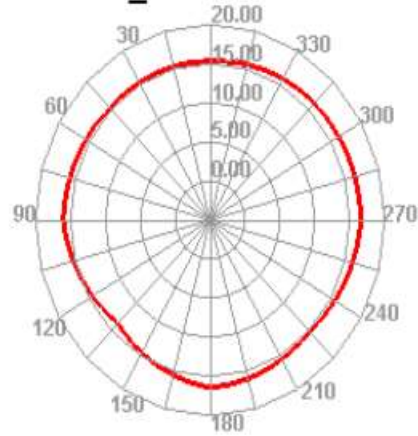
WCDMA_II 9938 TIS E2



WCDMA_V 4132 TRP E1

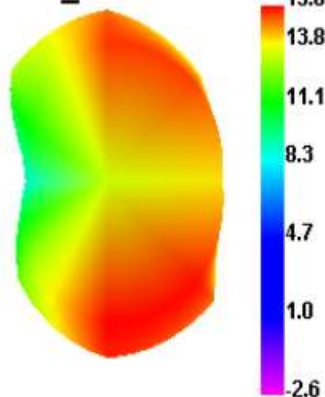


WCDMA_V 4132 TRP E2

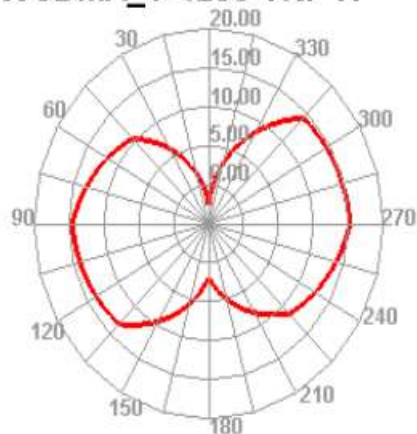


二十九 天线辐射苹果图

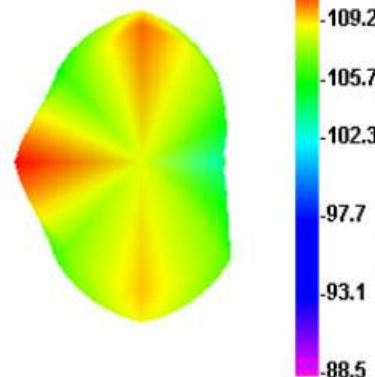
WCDMA_V 4233 TRP



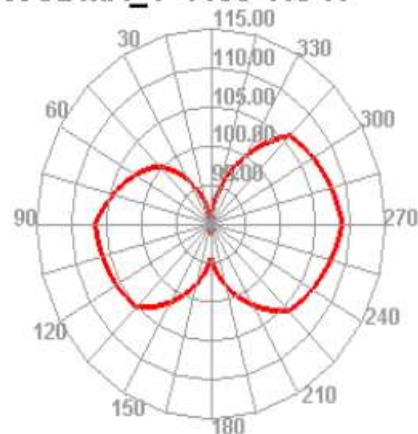
WCDMA_V 4233 TRP H



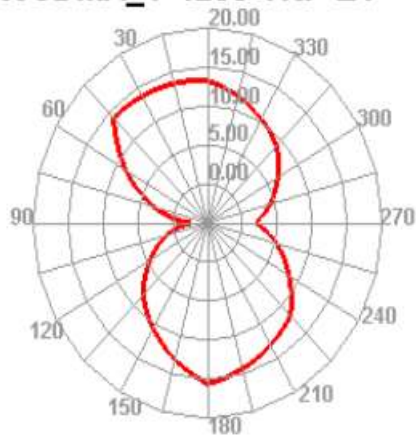
WCDMA_V 4458 TIS



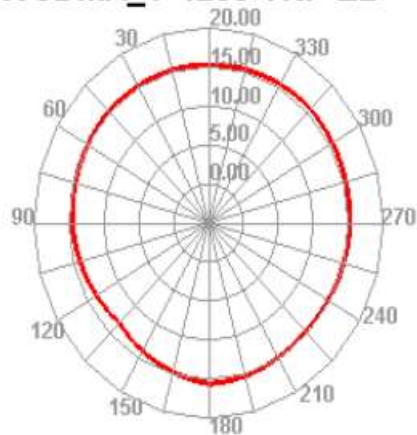
WCDMA_V 4458 TIS H



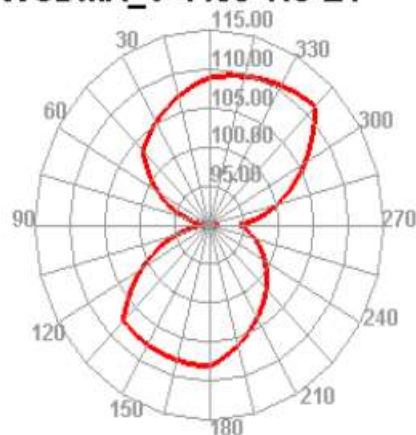
WCDMA_V 4233 TRP E1



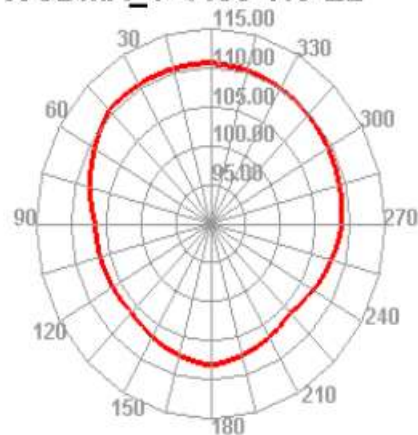
WCDMA_V 4233 TRP E2



WCDMA_V 4458 TIS E1

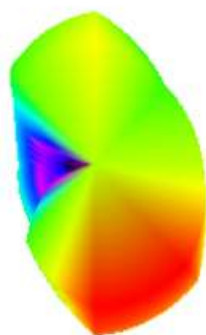


WCDMA_V 4458 TIS E2

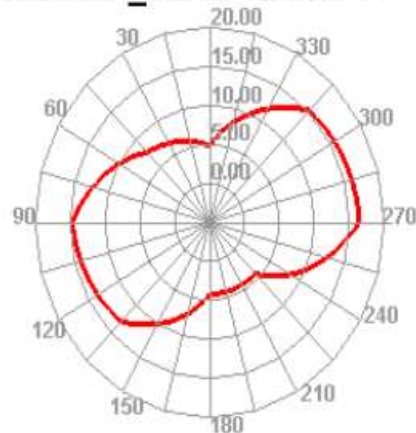


二十九 天线辐射苹果图

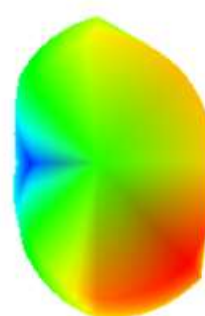
WCDMA_VIII 2712 TRP



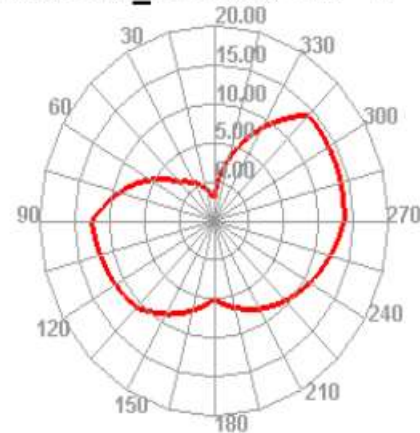
WCDMA_VIII 2712 TRP H



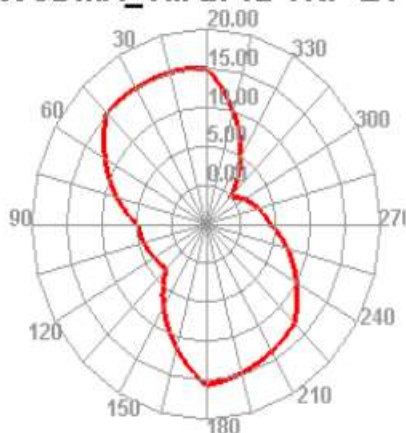
WCDMA_VIII 2863 TRP



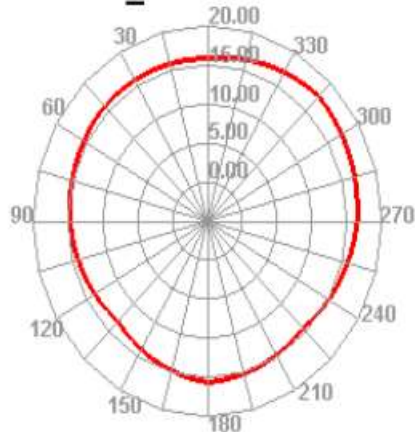
WCDMA_VIII 2863 TRP H



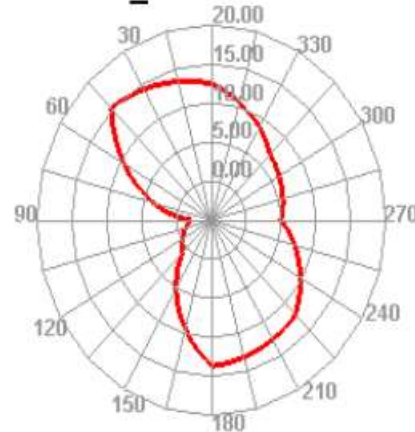
WCDMA_VIII 2712 TRP E1



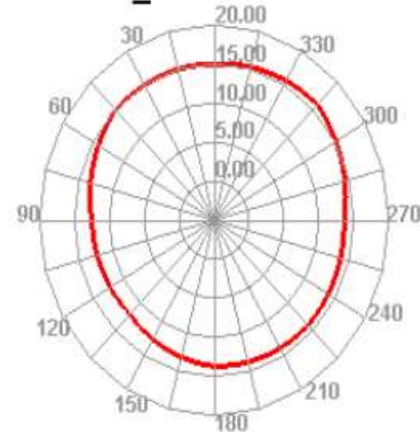
WCDMA_VIII 2712 TRP E2



WCDMA_VIII 2863 TRP E1

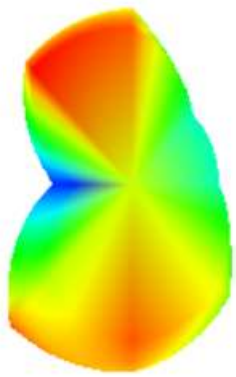


WCDMA_VIII 2863 TRP E2

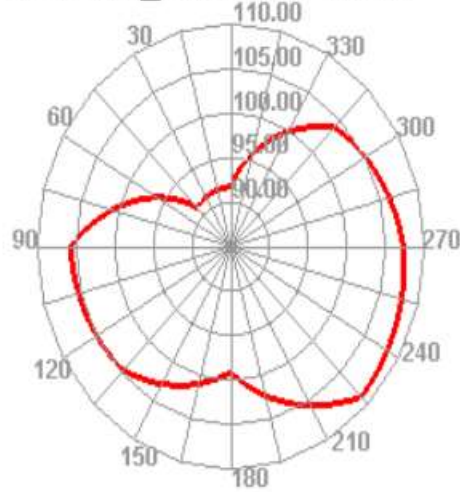


二十九 天线辐射苹果图

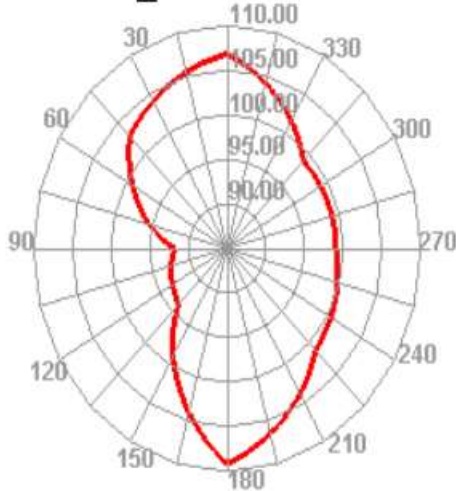
WCDMA_VIII 3088 TIS



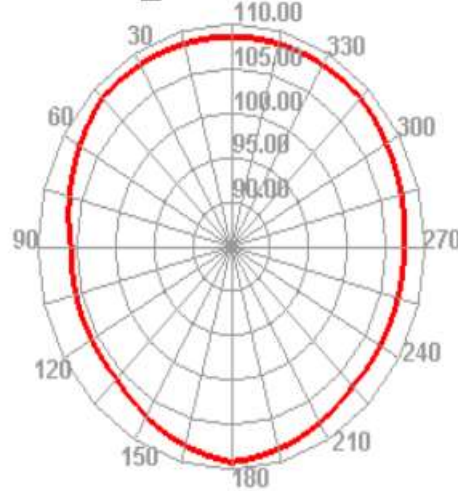
WCDMA_VIII 3088 TIS H



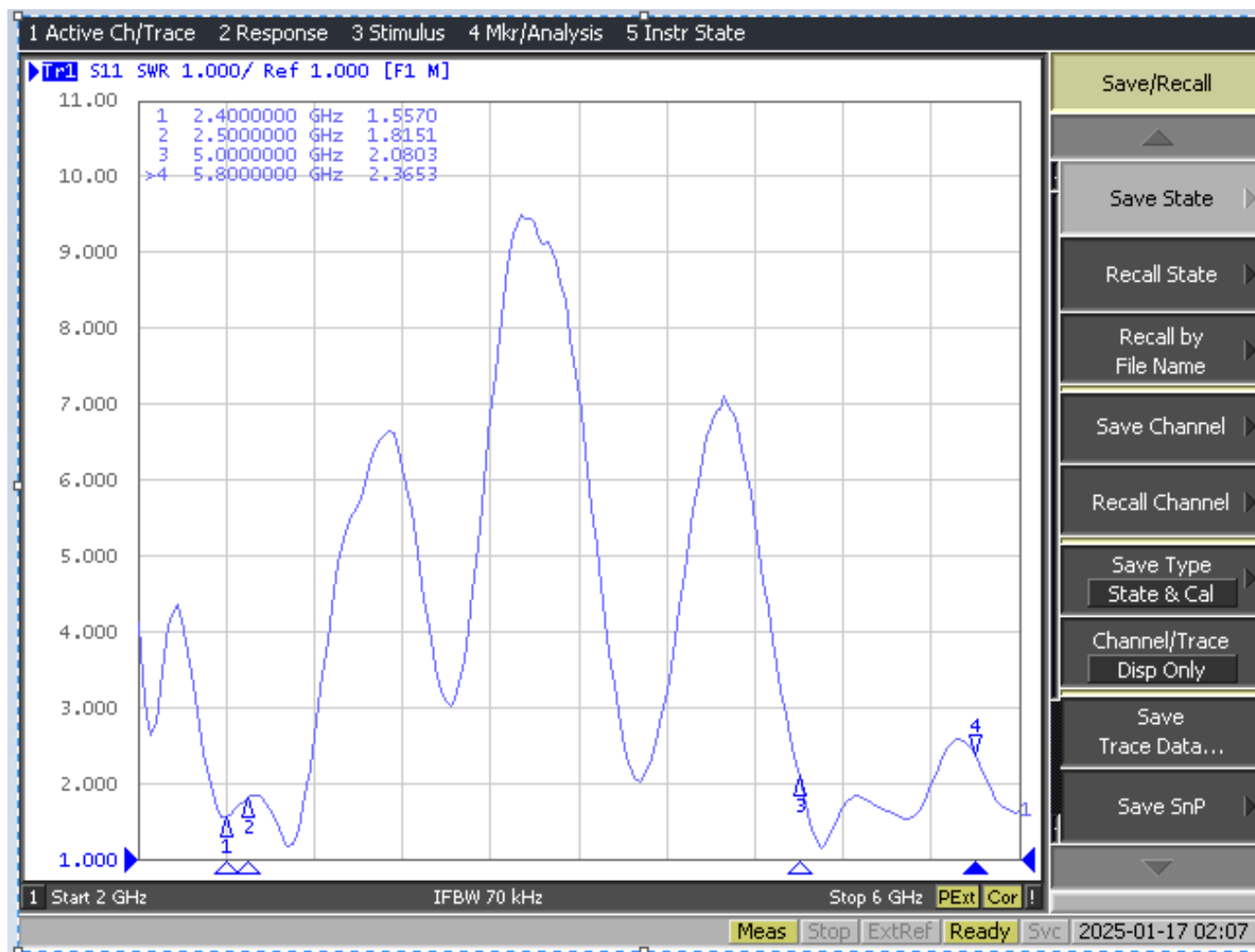
WCDMA_VIII 3088 TIS E1



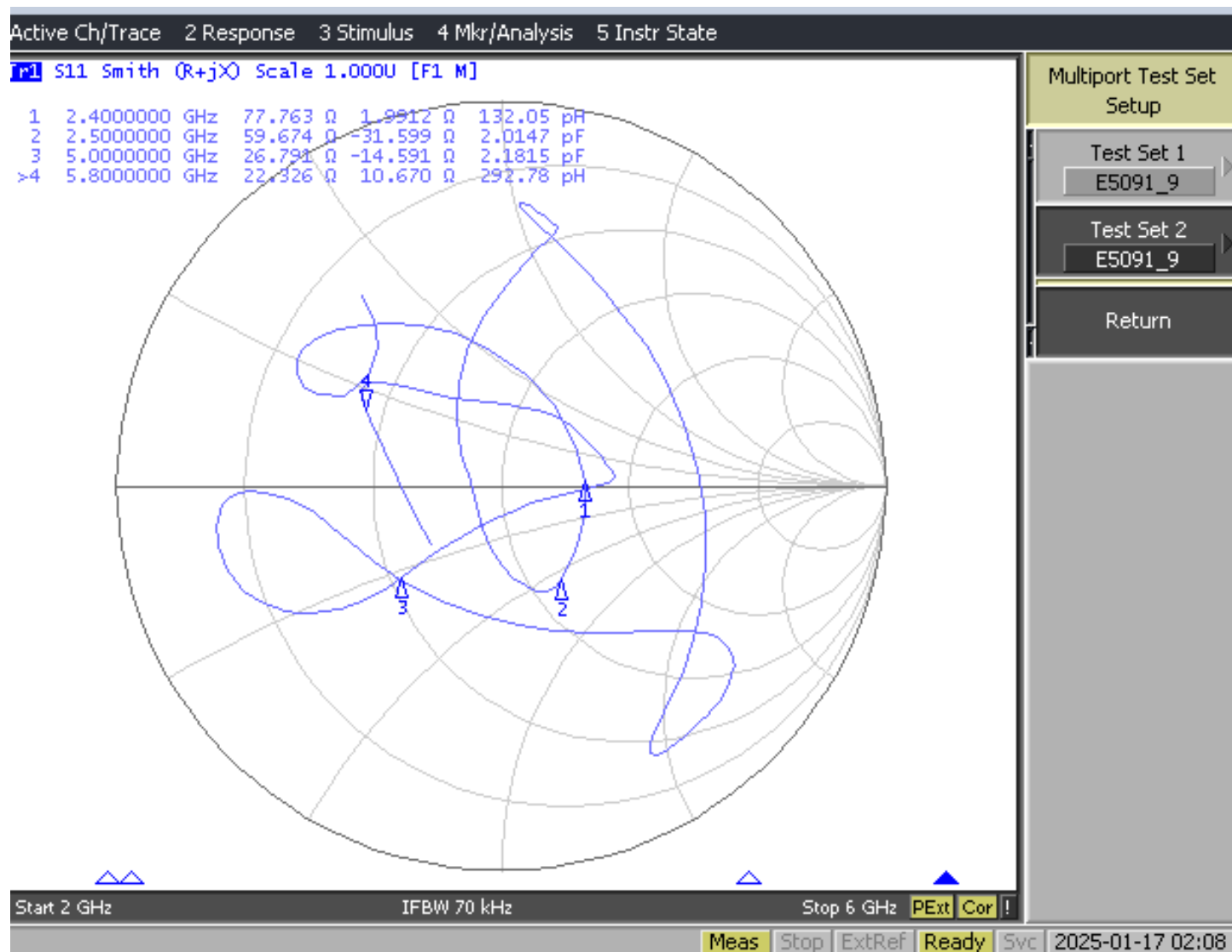
WCDMA_VIII 3088 TIS E2



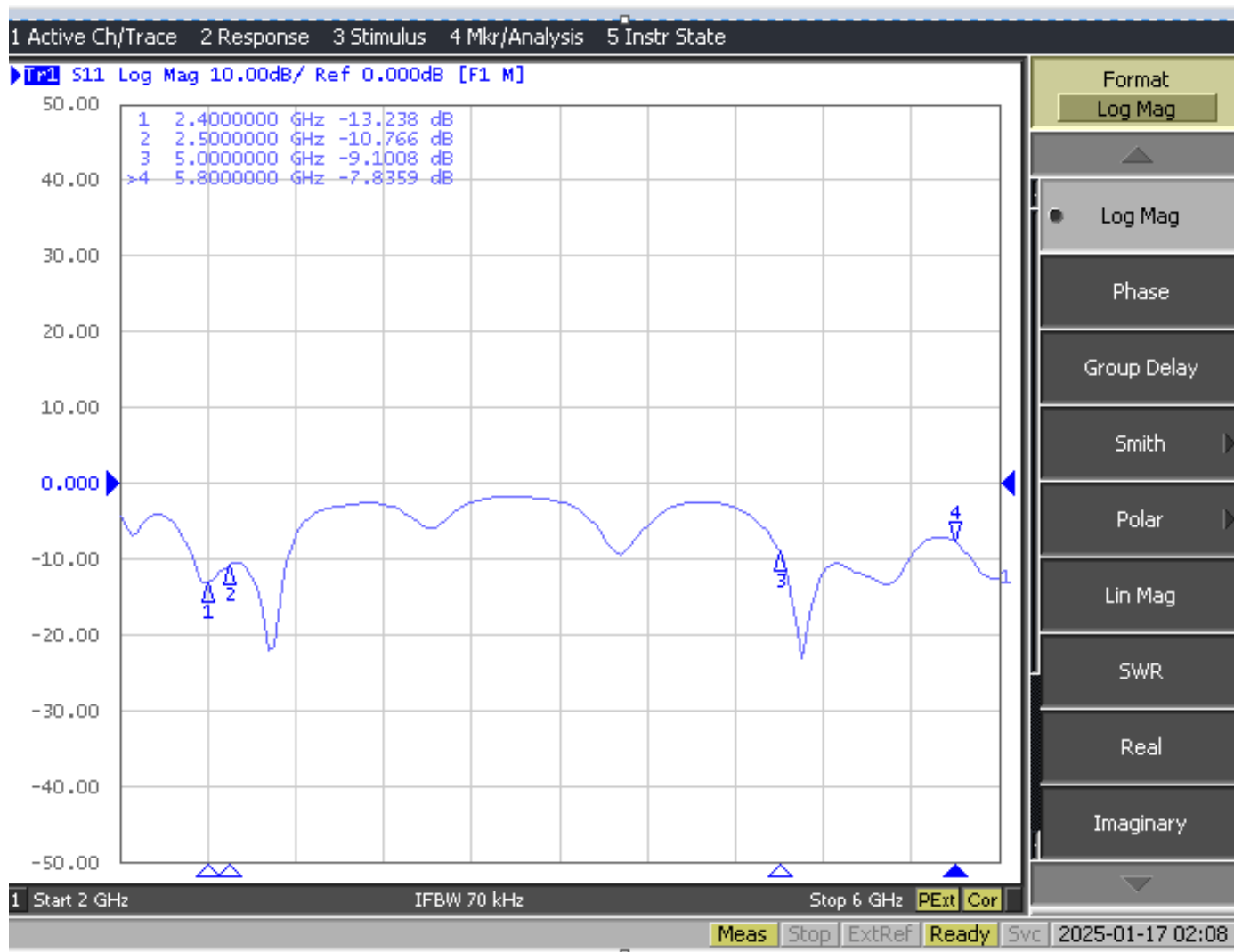
三十 WIFI天线无源驻波图



三十一 WIFI天线无源史密斯圆图



三十二 WIFI天线无源回波损耗图



三十三 WIFI天线无源增益效率

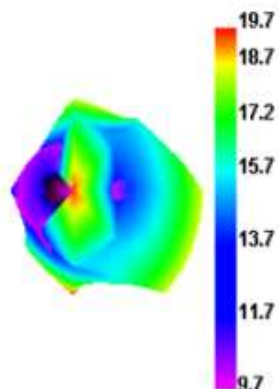
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.88	1.35	5000	32.3	0
2410	45.88	1.09	5050	31.68	-0.6
2420	48.26	1.17	5100	37.23	-0.14
2430	50.46	1.35	5150	42.44	0.58
2440	53.94	1.68	5200	41.24	1.17
2450	58.51	2.06	5250	40.56	1.84
2460	58.35	2.02	5300	43.59	2.57
2470	56.6	1.83	5350	47.58	3.21
2480	62.8	2.34	5400	60.39	3.98
2490	66.56	2.63	5450	56.86	3.36
2500	68.91	2.87	5500	62.47	3.22
			5550	55.34	2.5
			5600	63.55	2.97
			5650	65.94	2.78
			5700	64.97	2.49
			5750	63.38	2.47
			5800	57.22	2.15
			5850	64.87	3
			5900	57.67	2.9

三十四 WIFI天线测试数据

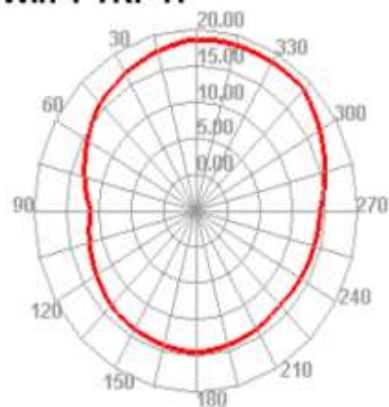
Band		TRP/ TIS	L	M	H
2.4G	11b(11M)	TRP	15.55	15.73	16.01
		TIS			-83.27
	11g(54M)	TRP	12.52	12.64	12.71
		TIS			-71.27
	11n(MCS7)	TRP	12.16	12.23	11.96
		TIS			-66.49
5.8G WIFI (A-54M)		TRP	12.39	12.51	12.22
		TIS			-71.35

三十五 天线辐射苹果图

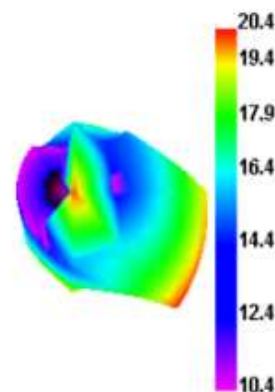
Wifi 1 TRP



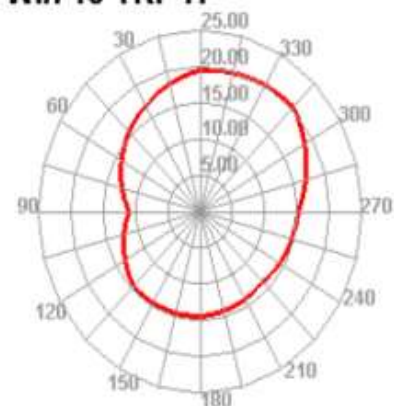
Wifi 1 TRP H



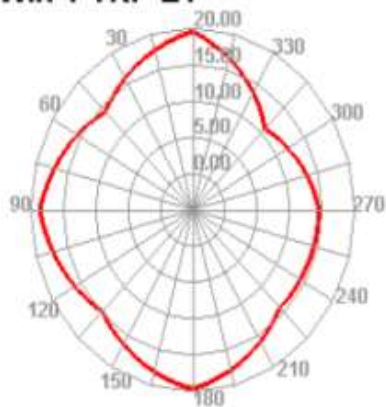
Wifi 13 TRP



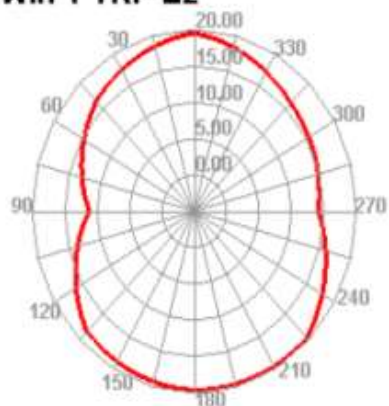
Wifi 13 TRP H



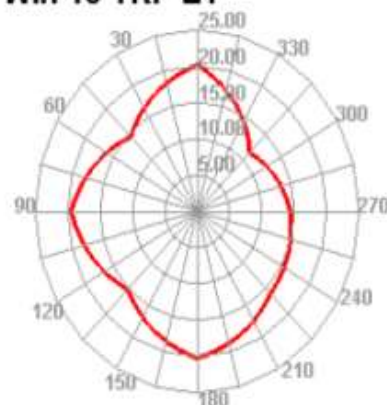
Wifi 1 TRP E1



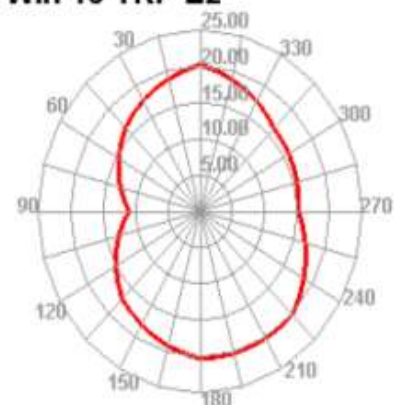
Wifi 1 TRP E2



Wifi 13 TRP E1

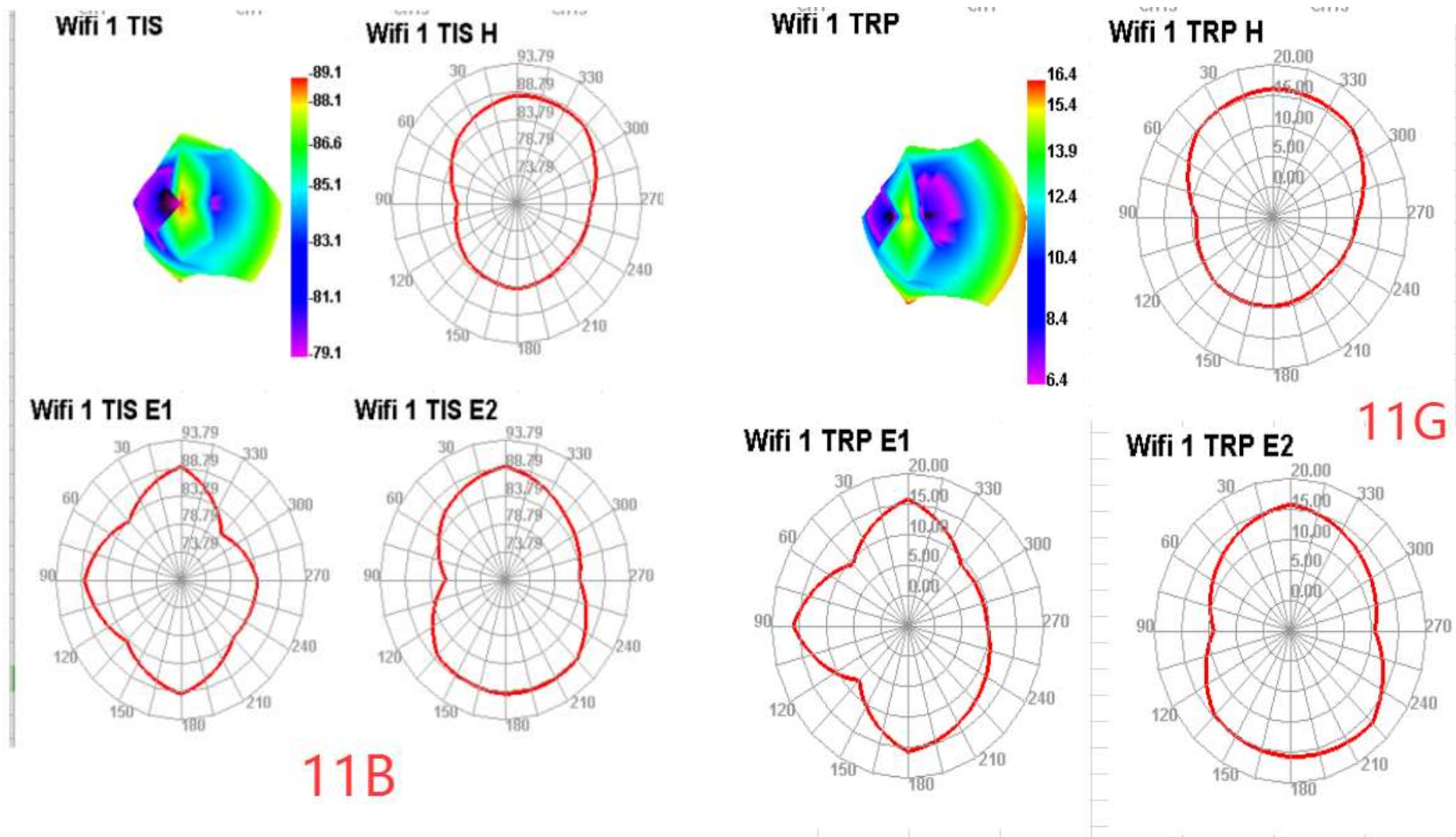


Wifi 13 TRP E2



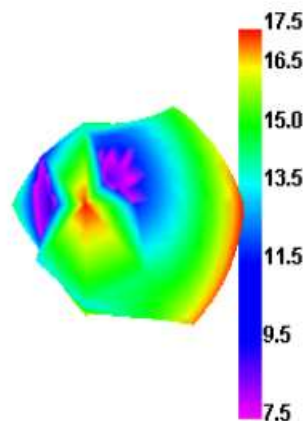
11B

三十五 天线辐射苹果图

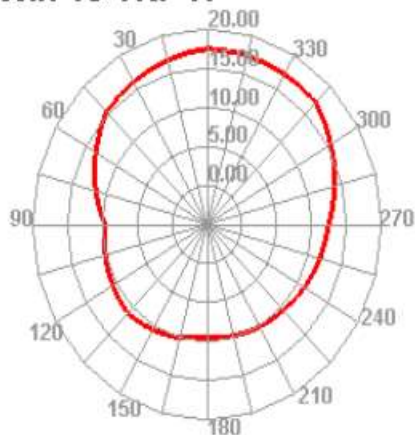


三十五 天线辐射苹果图

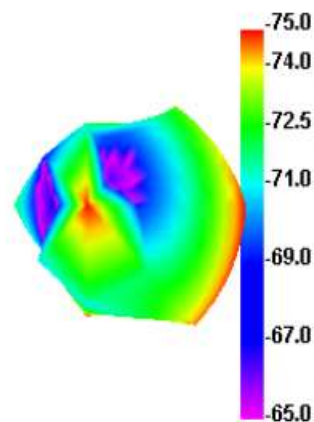
Wifi 13 TRP



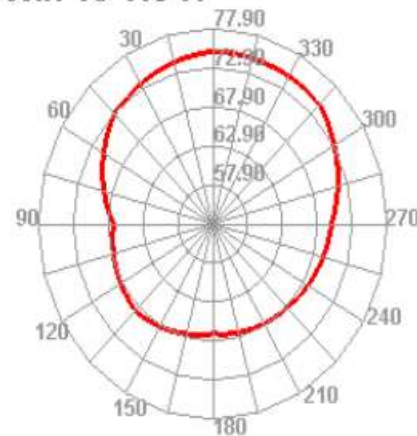
Wifi 13 TRP H



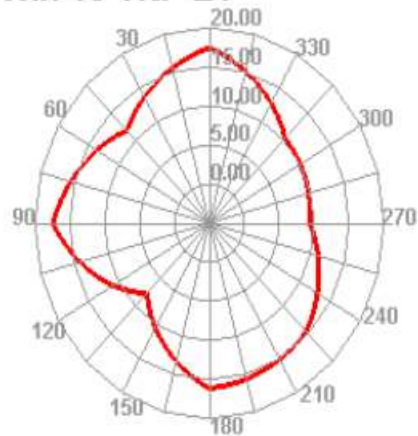
Wifi 13 TIS



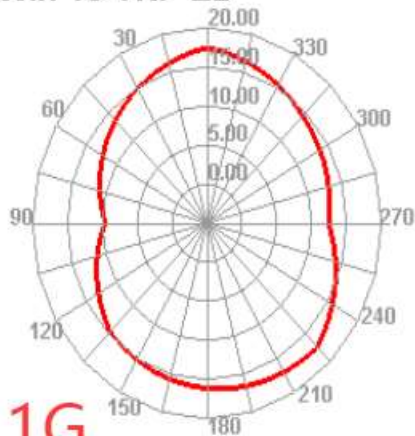
Wifi 13 TIS H



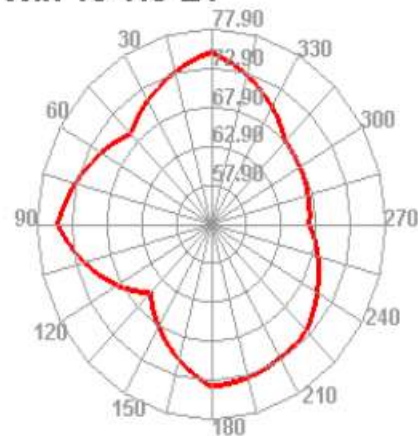
Wifi 13 TRP E1



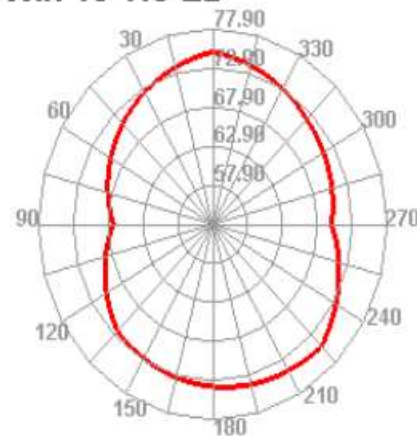
Wifi 13 TRP E2



Wifi 13 TIS E1



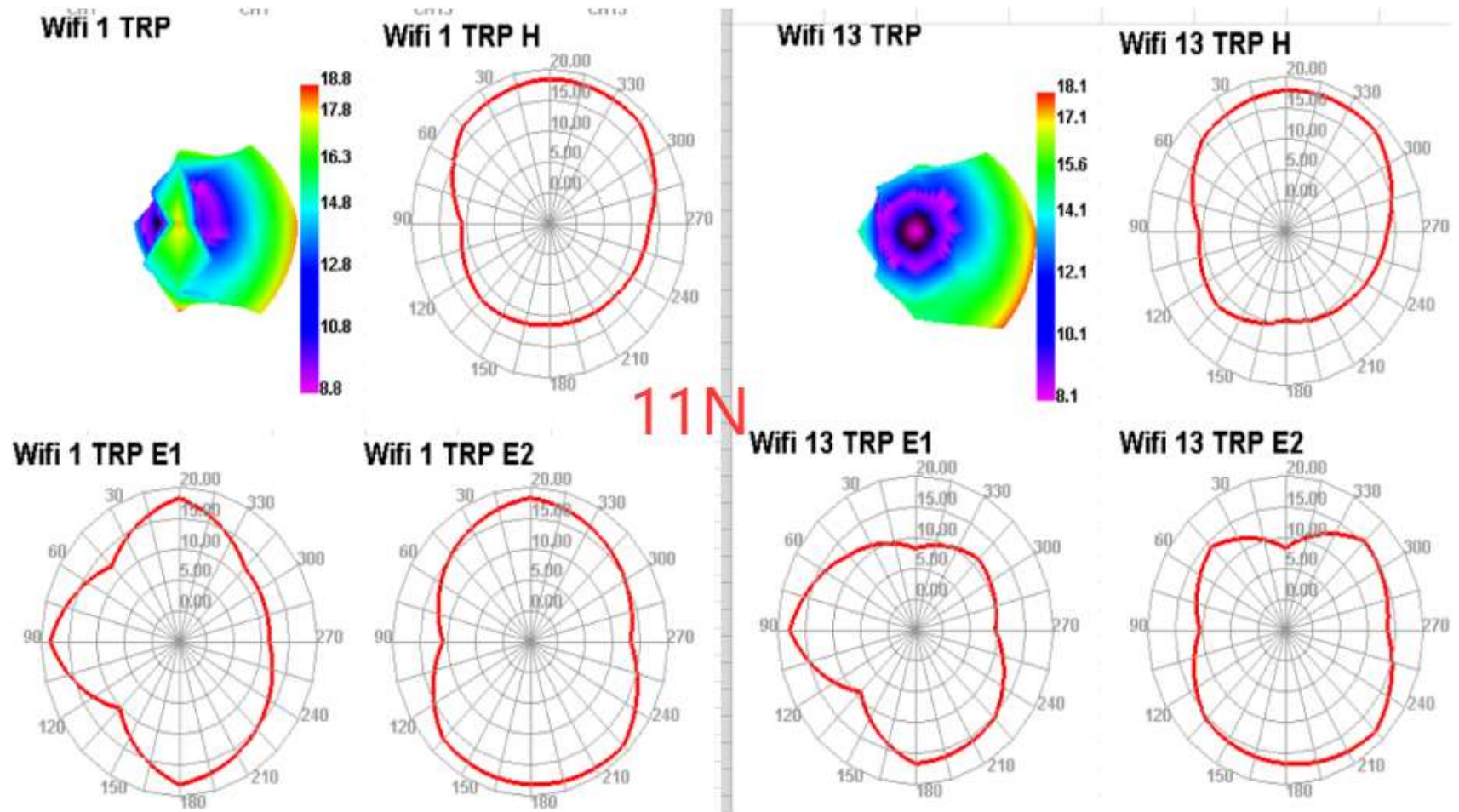
Wifi 13 TIS E2



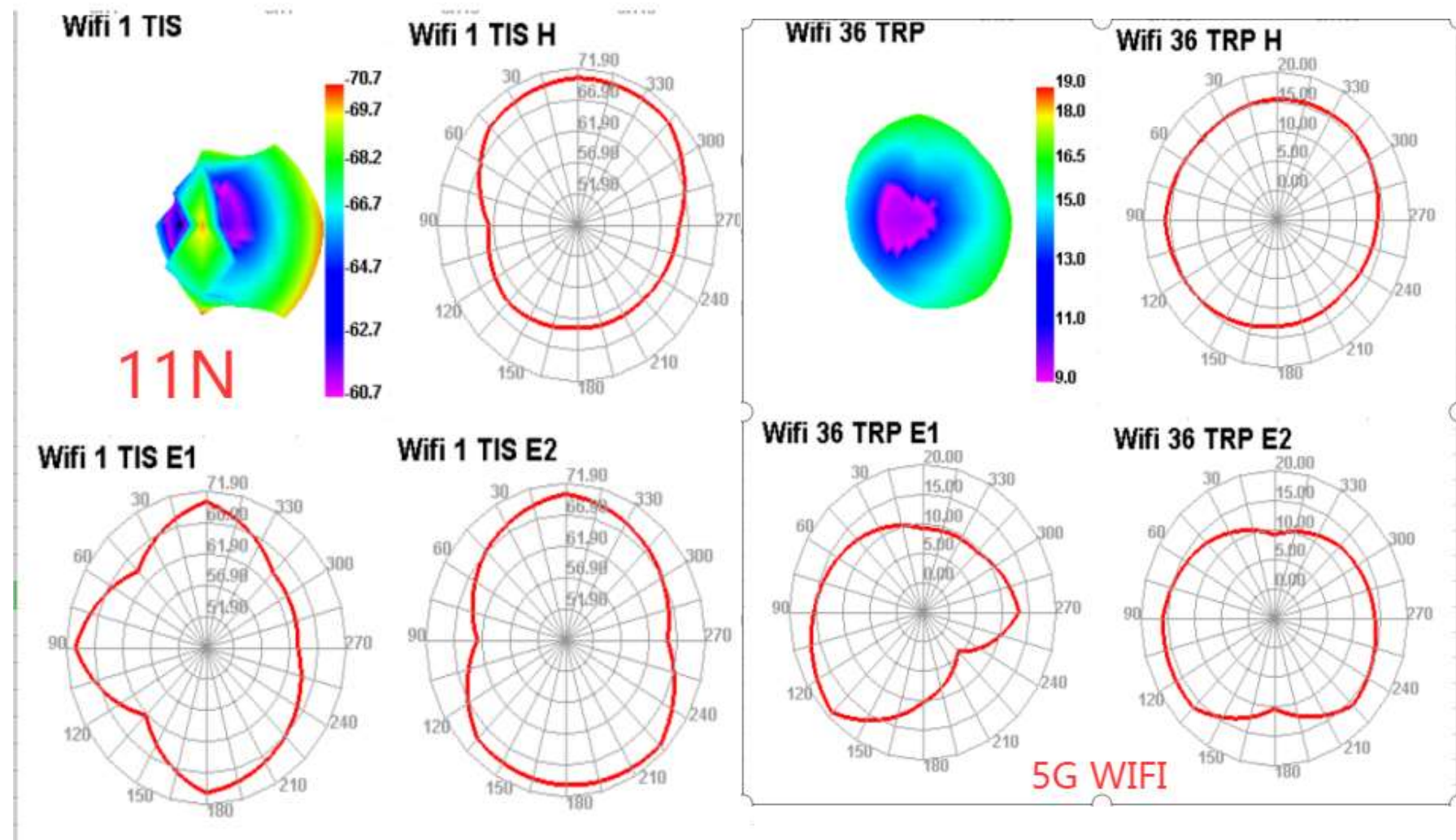
11G

11G

三十五 天线辐射苹果图

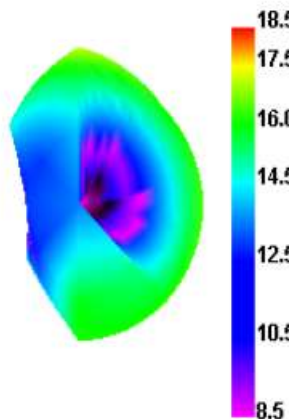


三十五 天线辐射苹果图

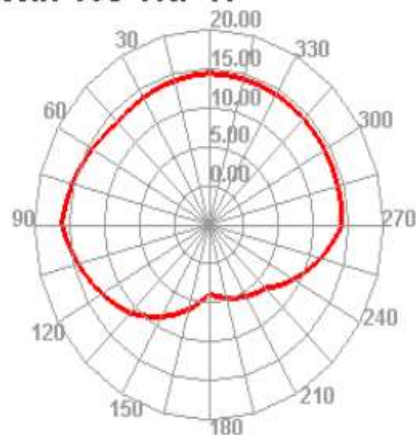


三十五 天线辐射苹果图

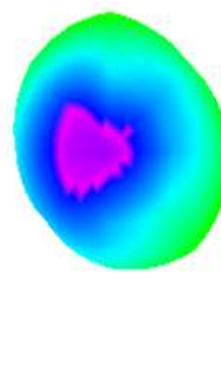
Wifi 165 TRP



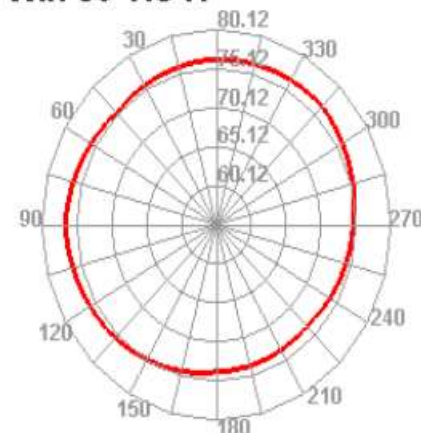
Wifi 165 TRP H



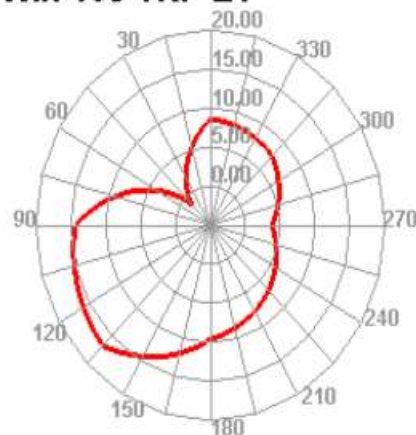
Wifi 36 TIS



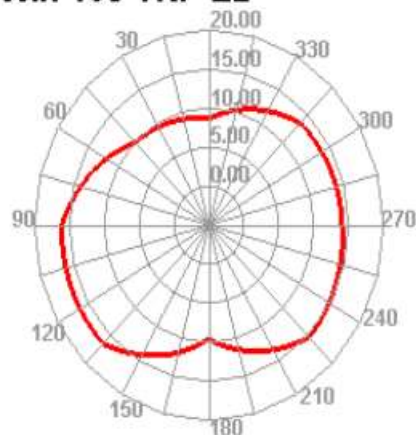
Wifi 36 TIS H



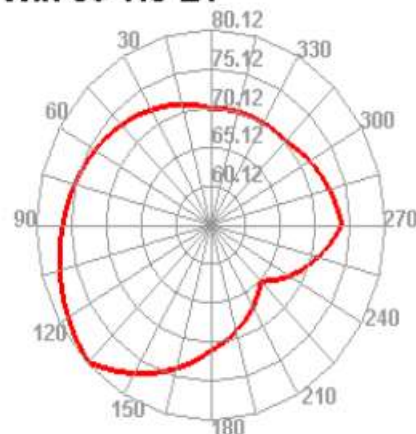
Wifi 165 TRP E1



Wifi 165 TRP E2



Wifi 36 TIS E1



Wifi 36 TIS E2

