

深圳旭航通讯科技有限公司

Shenzhen Xuhang Communication
Technology Co., Ltd

规格承认书

客户	
客户料号	
供方品名	WIFI 天线
规格名称	00216, L=120mm

客户确认		
检验	审核	批准

供方确认			
设计	射频	审核	批准

日期：2025 年 9 月 16 日

目录

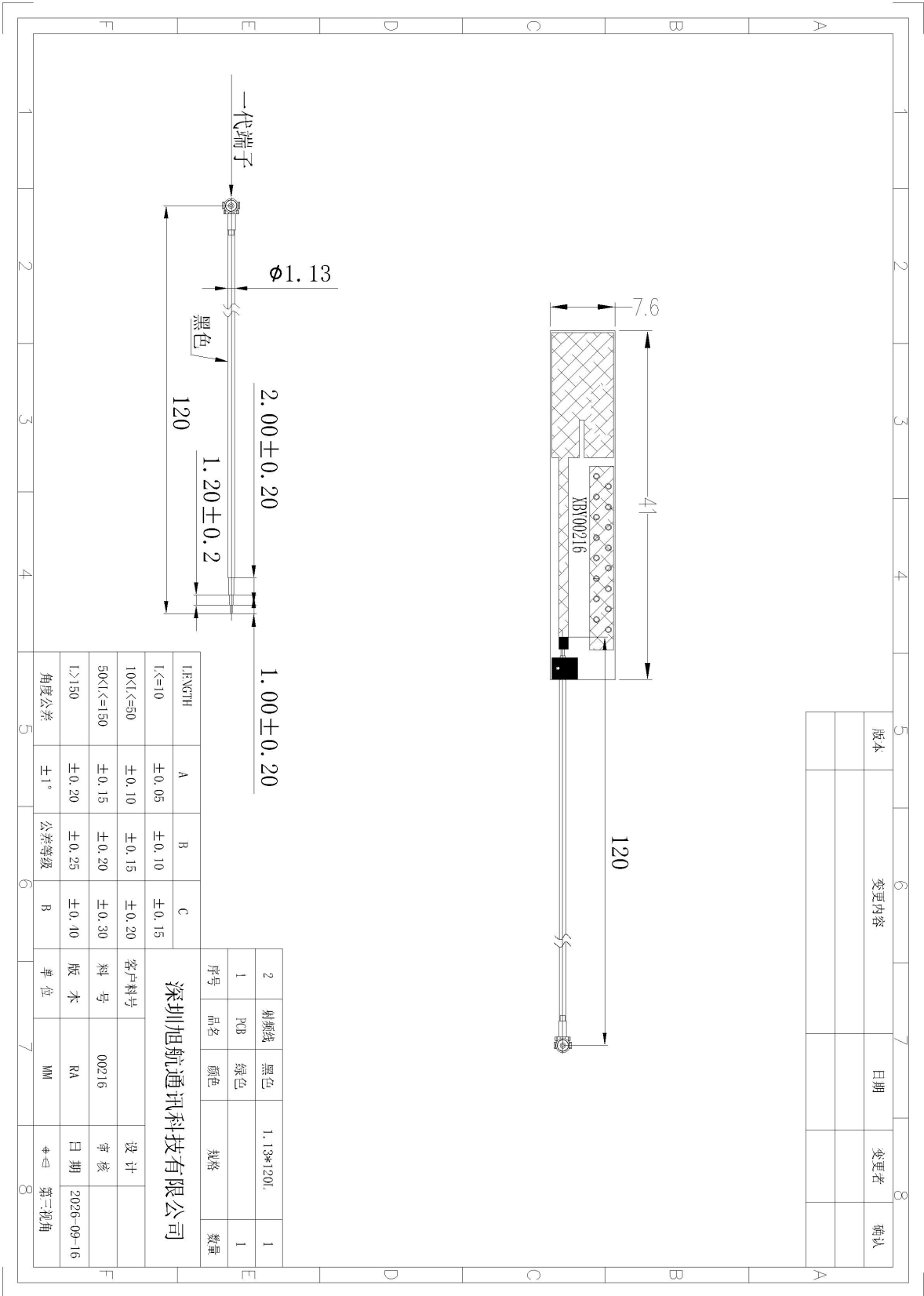
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电性测试报告

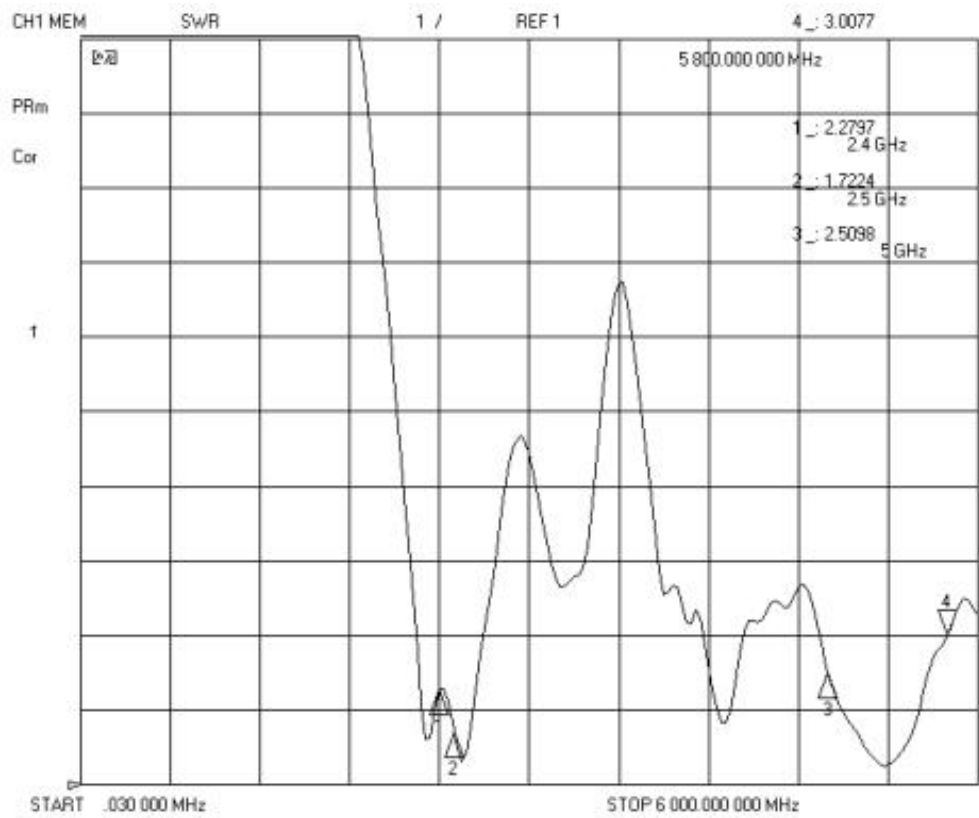
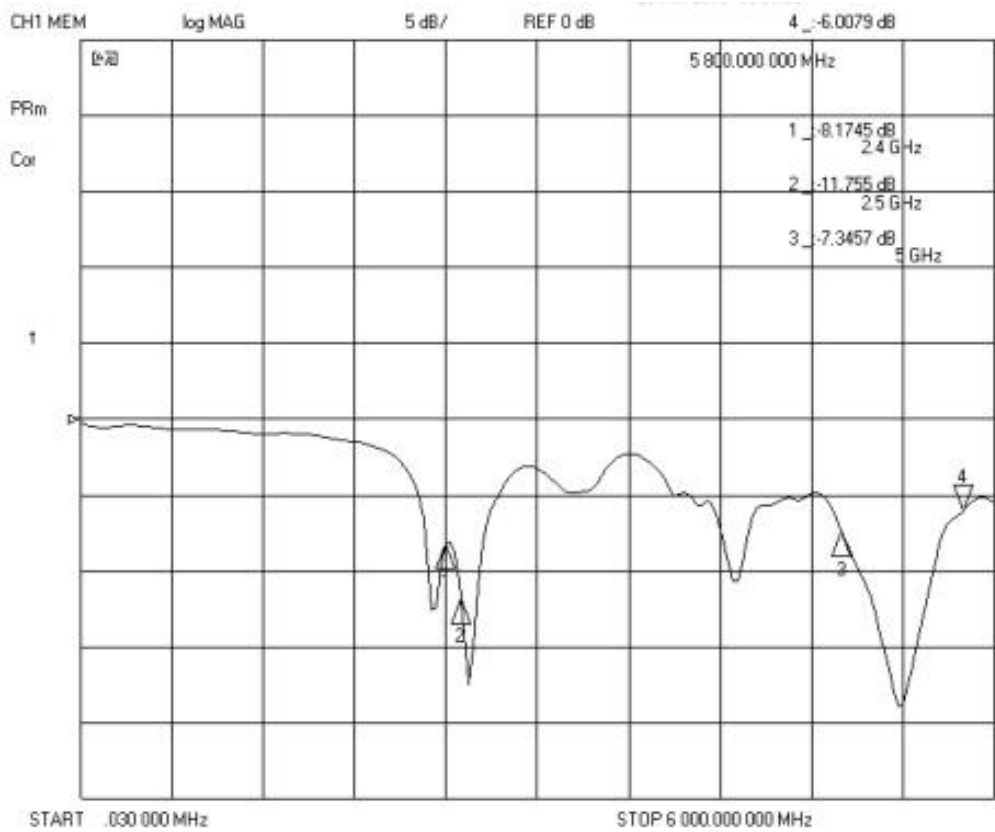
TEST REPORTS

Frequency	WIFI 2400~2500MHz;5150~58500MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92:1 Max
Return Loss	-10dB Max
Radiation	Omni-directional
Gain(Peak)	2.4G:2.26dBi 5G:3.54
Polarization	Linear,Vertical
Admitted Power	1W
Connector	I-PEX I
Physical Properties	
Antenna Material	PCB
Cable Type	O.D.1.13mm
Operating Temp.	-10-+60℃
Storage Temp.	-10-+70℃
Cable Color	Black

工程图Engineering drawing



无源驻波Passive standing wave

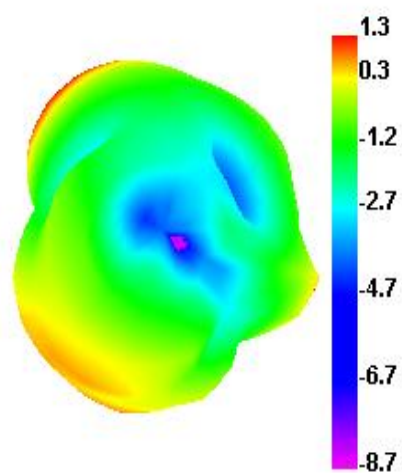


无源效率Passive efficiency

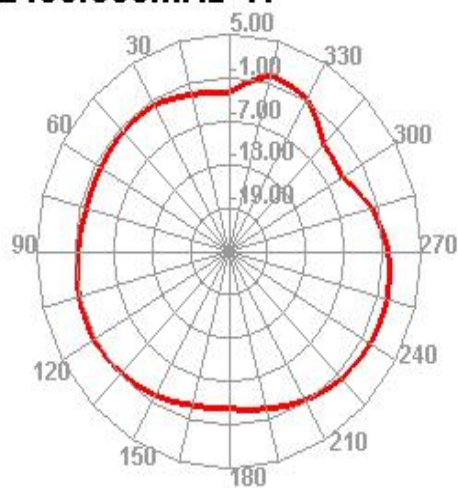
Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.36	1.28
2410	49.44	1.14
2420	50.73	1.46
2430	48.39	1.81
2440	51.88	2.26
2450	48.99	2.14
2460	48.49	1.23
2470	46.07	1.46
2480	45.76	1.89
2490	49.52	2.2
2500	44.71	1.56
5150	48.18	1.78
5200	50.74	2.15
5250	53.82	3.02
5300	41.51	2.01
5350	42.6	2.37
5400	40.23	2.23
5450	49.34	3.05
5500	41.52	2.58
5550	46.32	3.19
5600	40.61	2.24
5650	51.61	3.43
5700	52.07	3.49
5750	52.93	3.54
5800	48.77	3.21
5850	56.18	3.5

方向图 Direction map

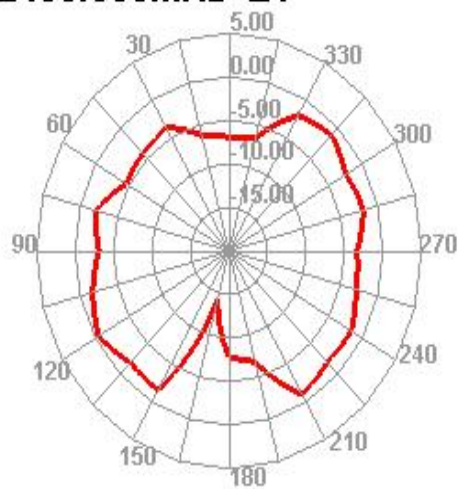
2400.000MHz



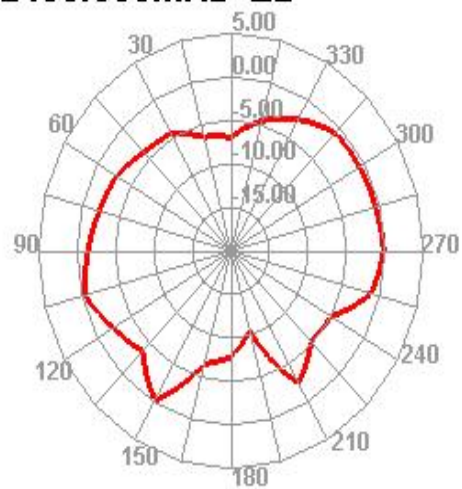
2400.000MHz H



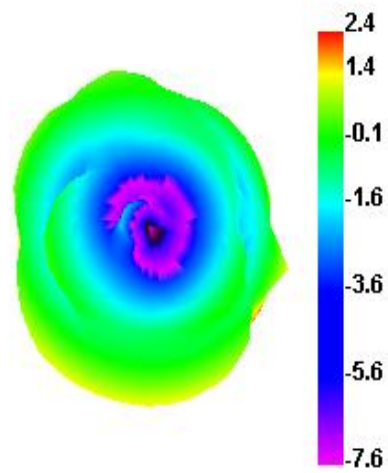
2400.000MHz E1



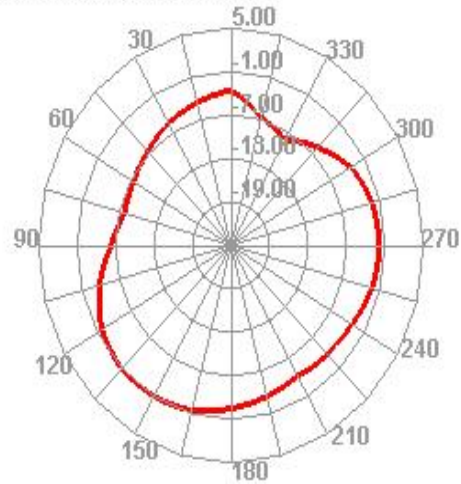
2400.000MHz E2



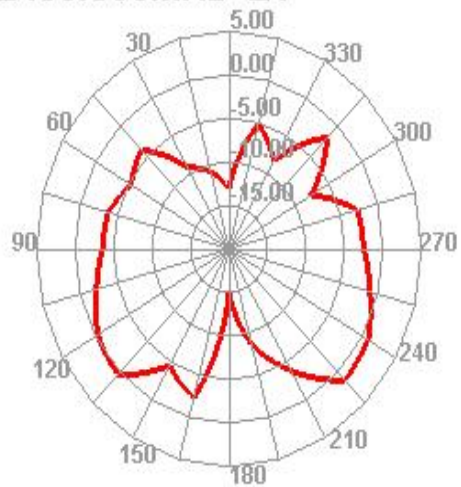
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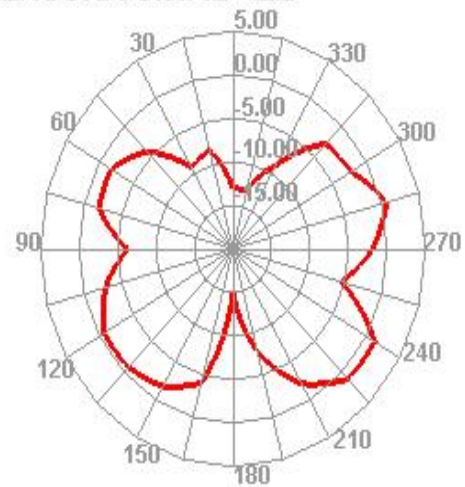
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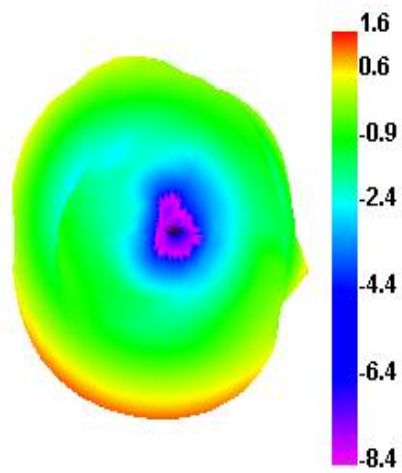
2450.000MHz E1



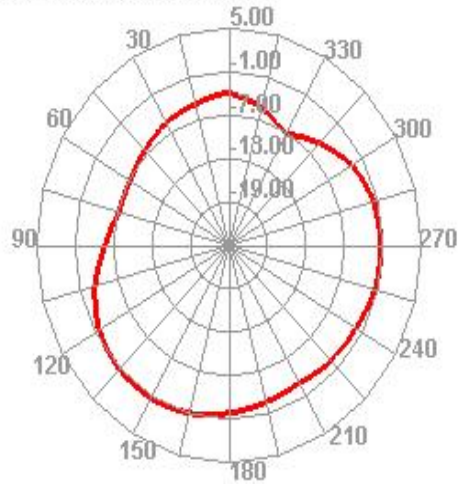
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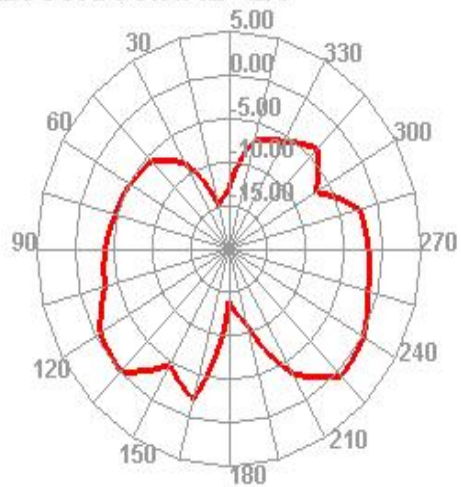
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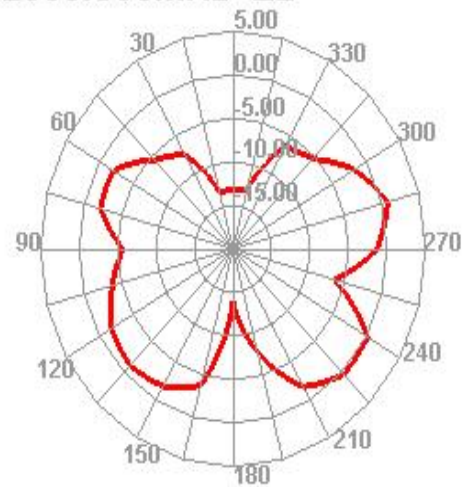
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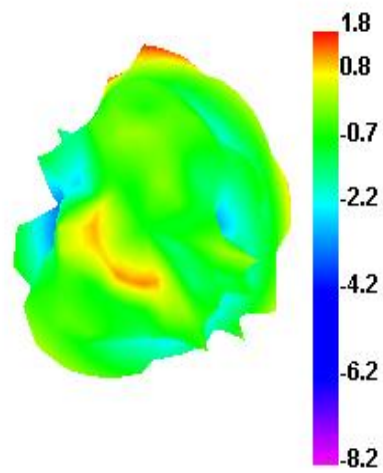
2500.000MHz E1



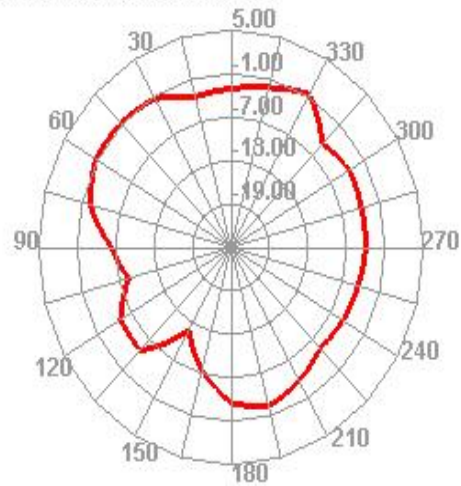
2500.000MHz E2



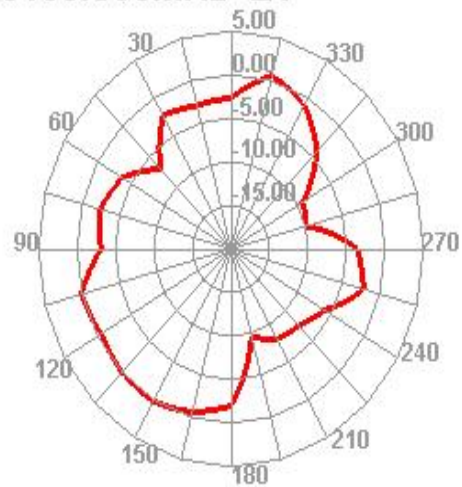
5150.000MHz



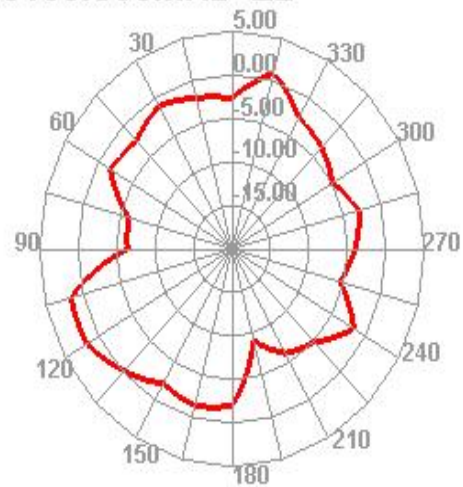
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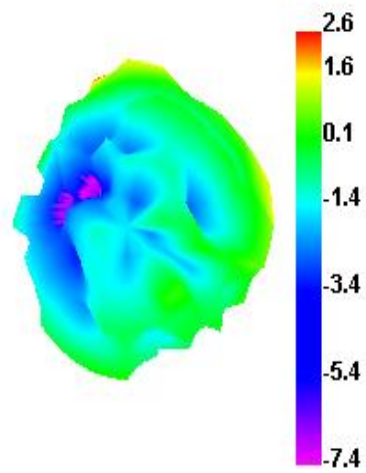
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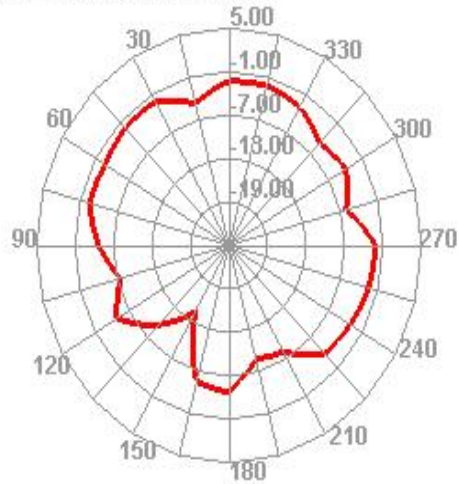
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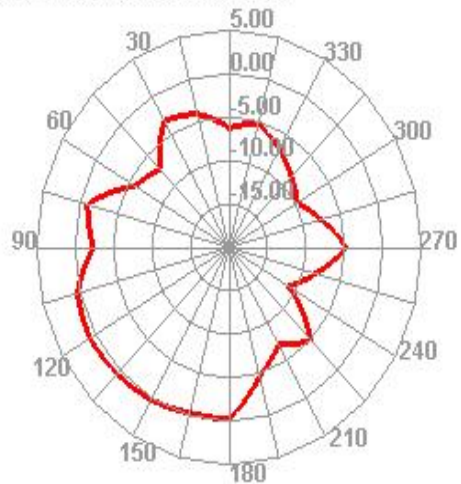
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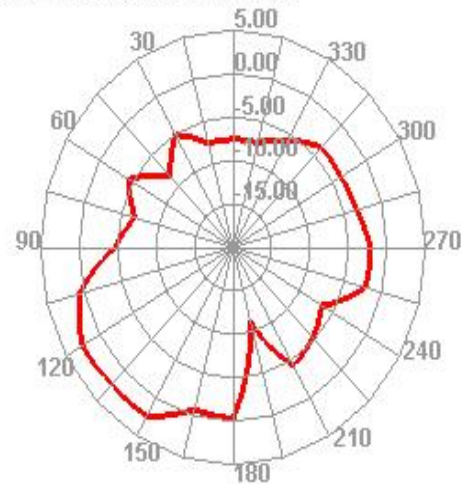
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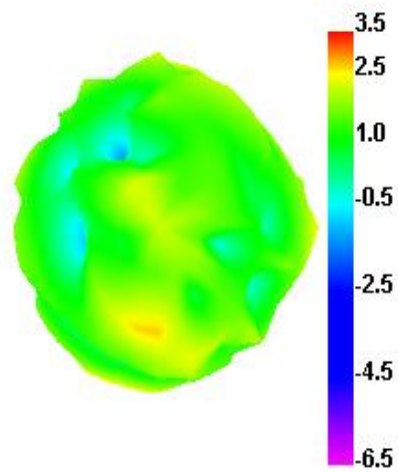
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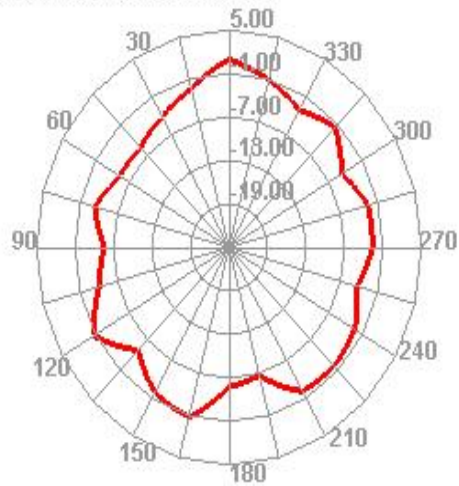
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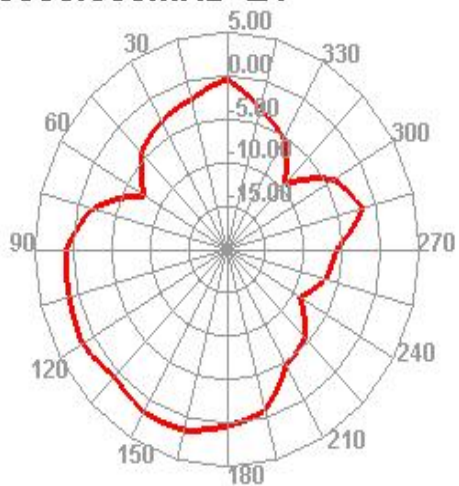
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

