东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规 格 承 认 书

SPECIFICATION FOR APPROVAL

日 期 Date	2023/06/12
编 号 File No	23061201
版 本 Revision	1.0

客 户 CUSTOMER: 道通

客户料号 CUSTOMER NO: 501011476

品 名 PART NAME: RF Antenna

供方料号 SUPPLIER NO: YJI01.005.073.301A

送样日期Date: 送样数量Q“TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A

add：东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086

承认书项目表

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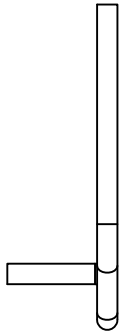
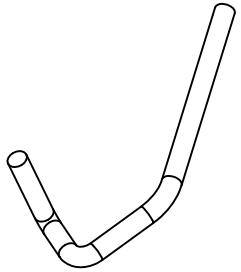
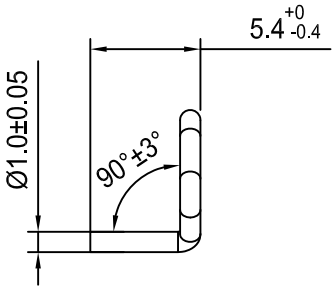
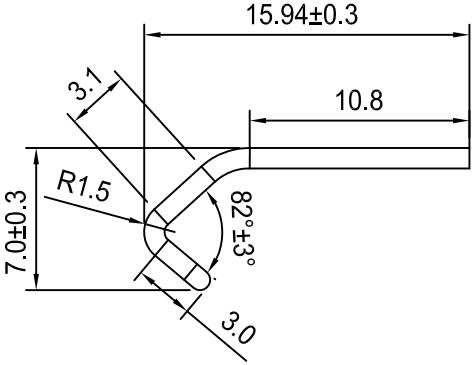
RoHS Compatible

REV.	DESCRIPTION	DATE
A	首次发行	2023-06-01
B	添加管控正负公差	2023-06-09









备註:

1.材质:碳钢镀镍线径Ø1.0mm。

2.尺寸: 带＊為重點尺寸。

3.公差: 未標注公差參照標准公差。

东莞市一佳电子通讯科技有限公司
Dongguan YiJia Electronics Communication Technology Co.,Ltd.
Tel :0769-85535057
Fax:0769-81664308

PART NAME: RF Antenna				
PART NO.: YJI01.005.073.301A			DATE: 2023-06-01	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
殷 涛	刘 涛	陈兴易	UNITS: mm SCALE: 1/1 REVISION: A	X.X ±0.2 X.XX±0.15 X° ±3°

天线规格
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	0.3 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	None
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 ˚C
Storage Temp / Humidity	25±5˚C / <70%

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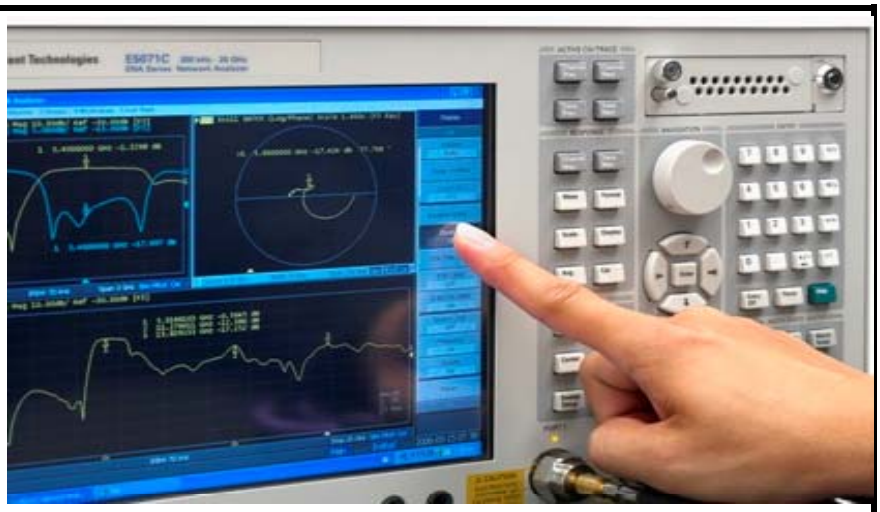
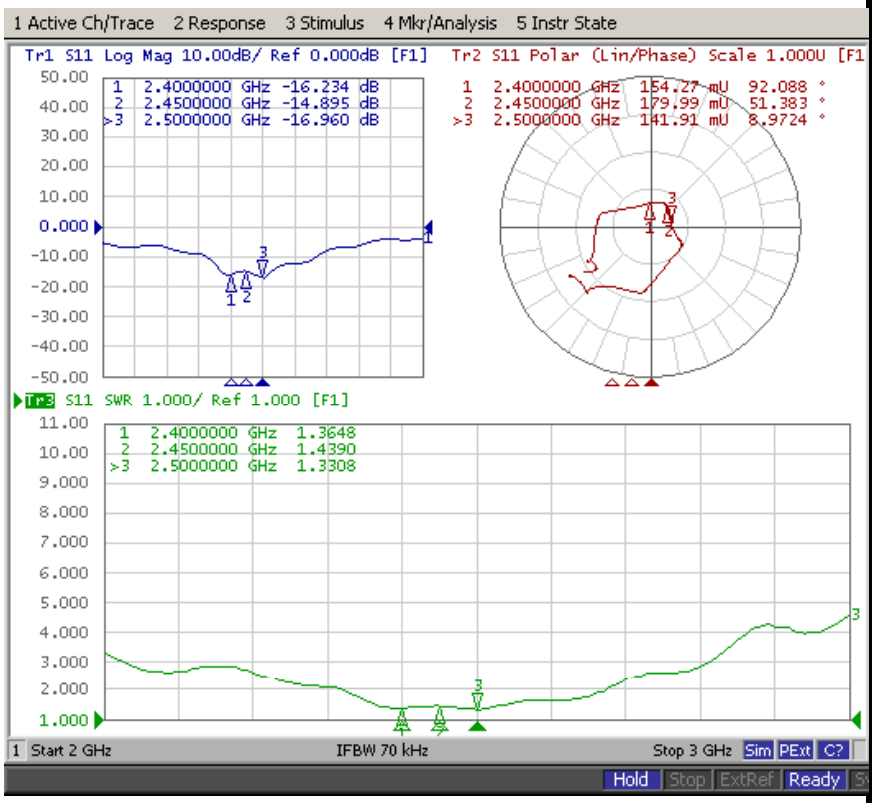
Antenna Performance Test

Agilent E5071B	
S Parameter Test // BT Antenna	

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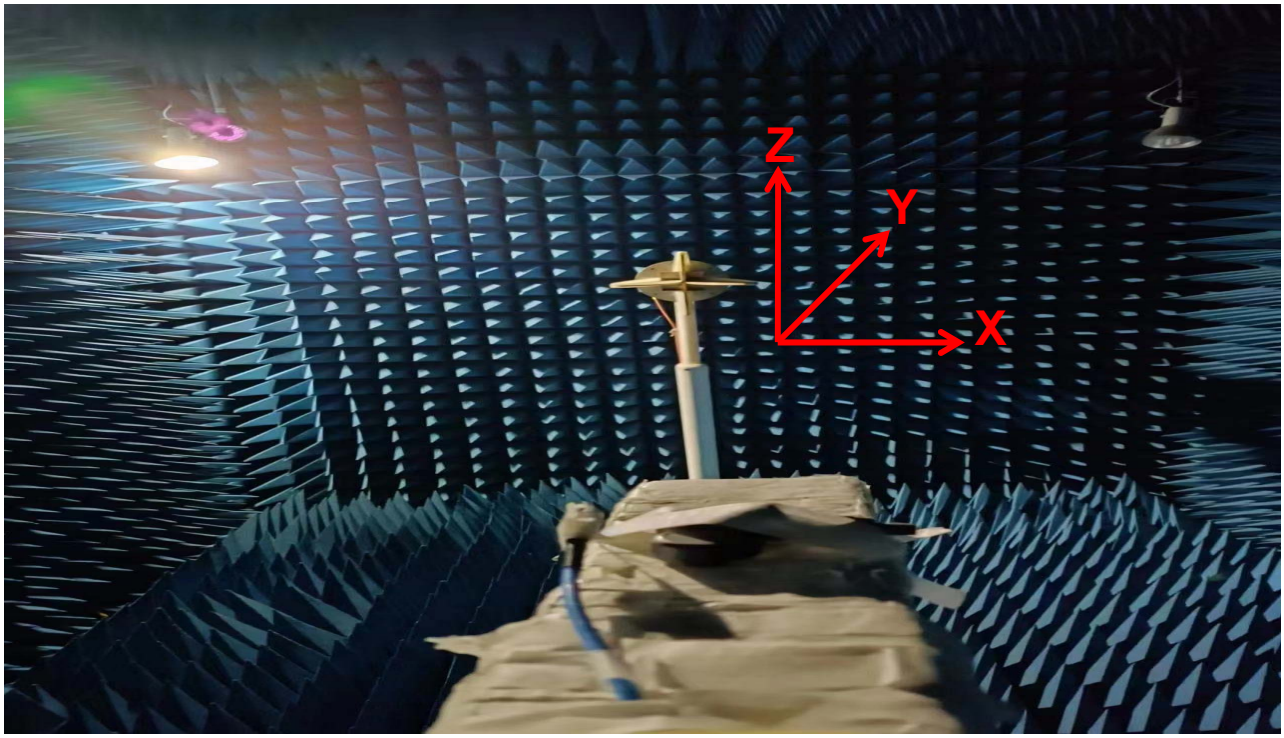
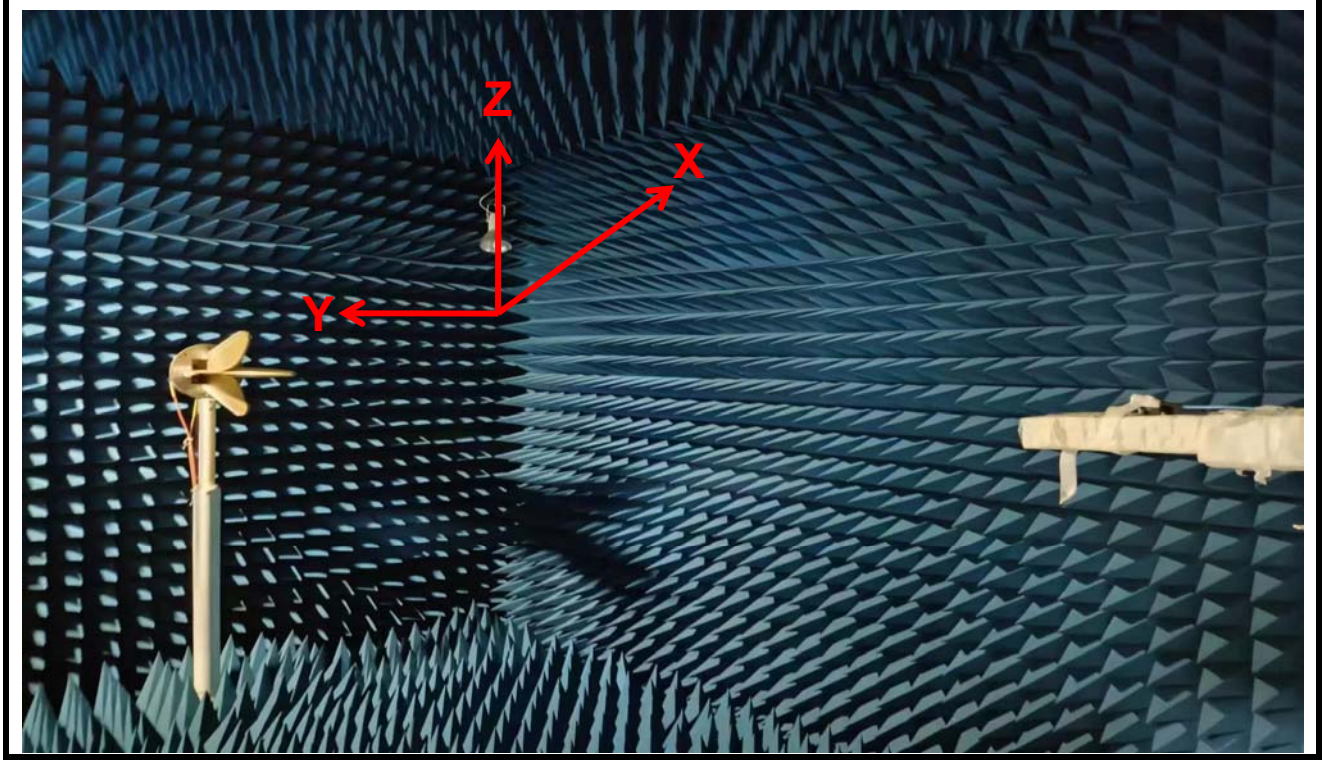
Antenna Passive Test





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Passive Test For BT Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	38.9	-4.1	0.2
2410	39.7	-4.0	0.2
2420	40.6	-3.9	0.2
2430	40.6	-3.9	0.0
2440	40.6	-3.9	-0.1
2450	42.3	-3.7	0.2
2460	42.2	-3.8	0.1
2470	42.5	-3.7	0.3
2480	41.1	-3.9	0.1
2490	40.2	-4.0	0.1
2500	40.4	-3.9	0.0

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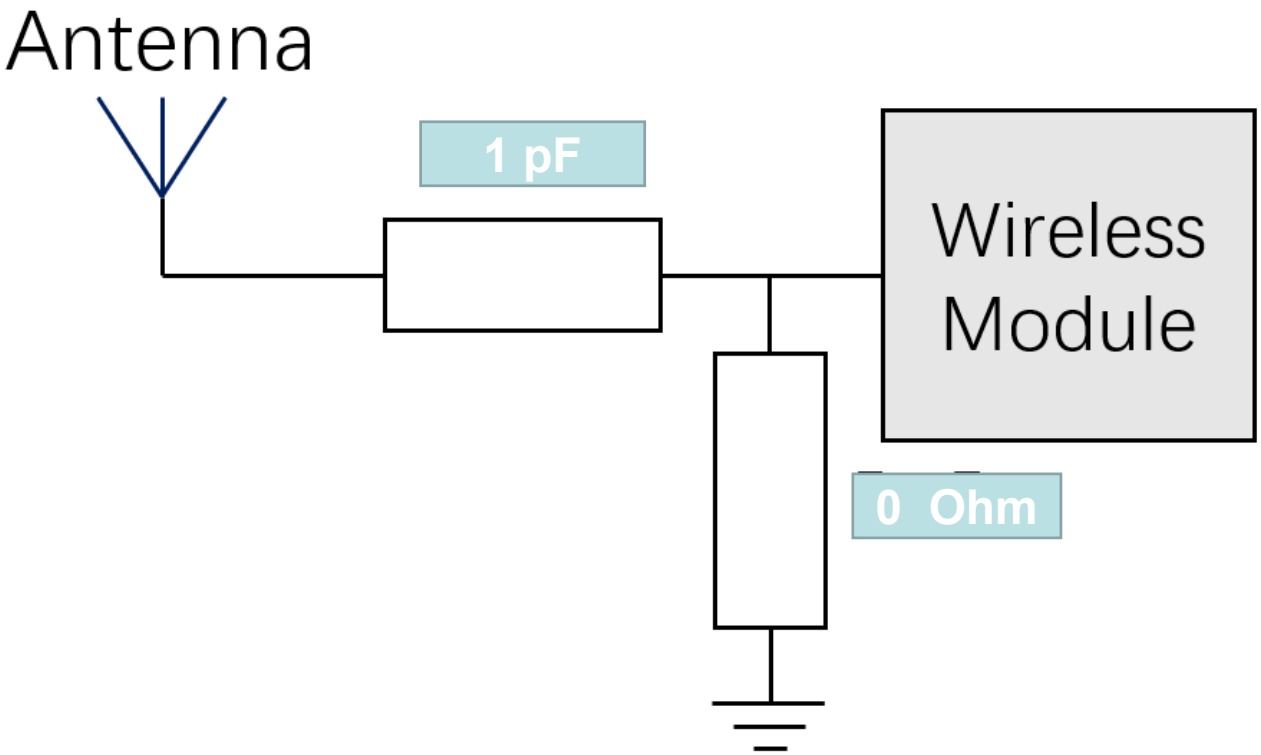
BT Antenna Matching Circuit



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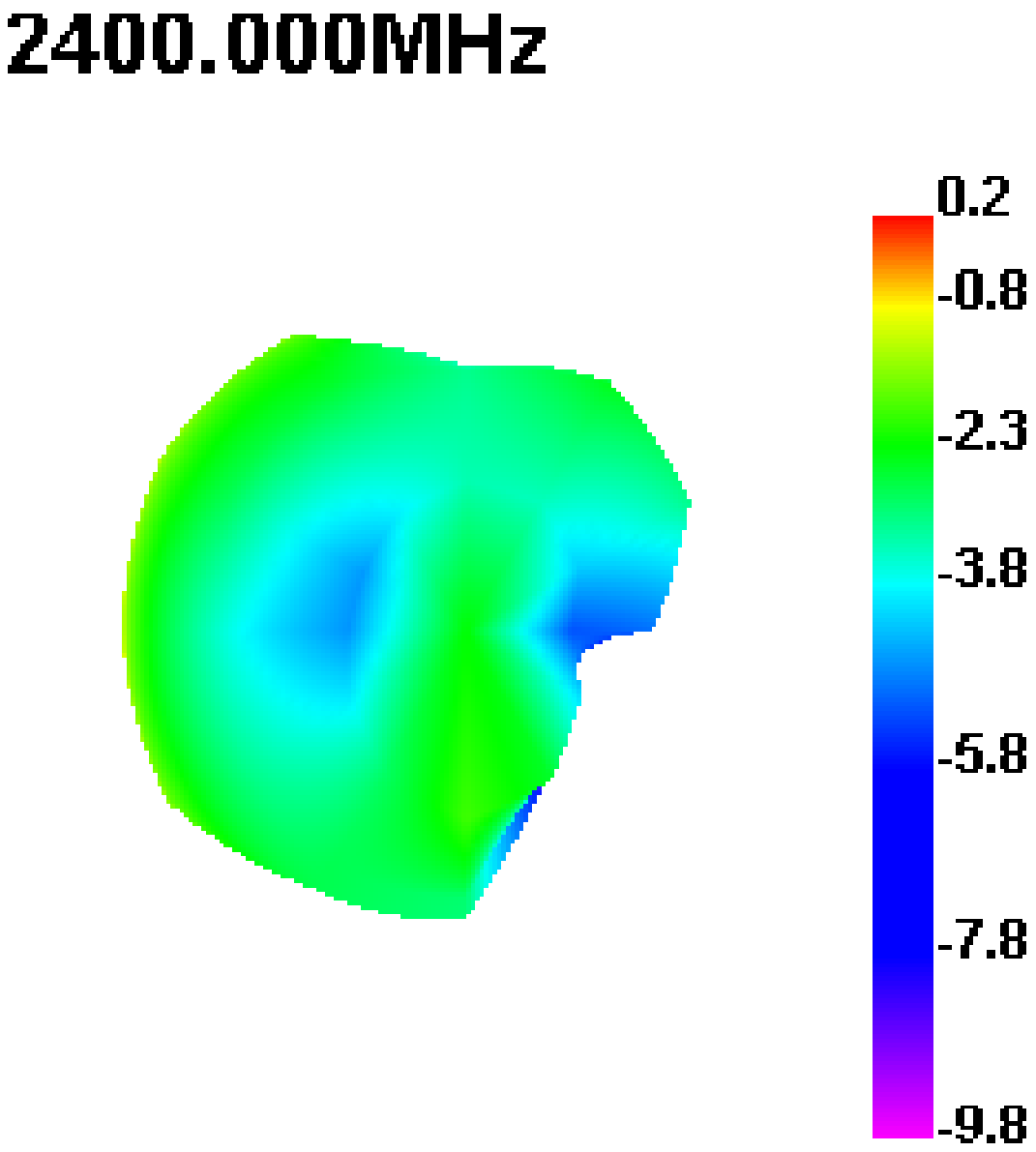
Radiation Pattern For BT Antenna



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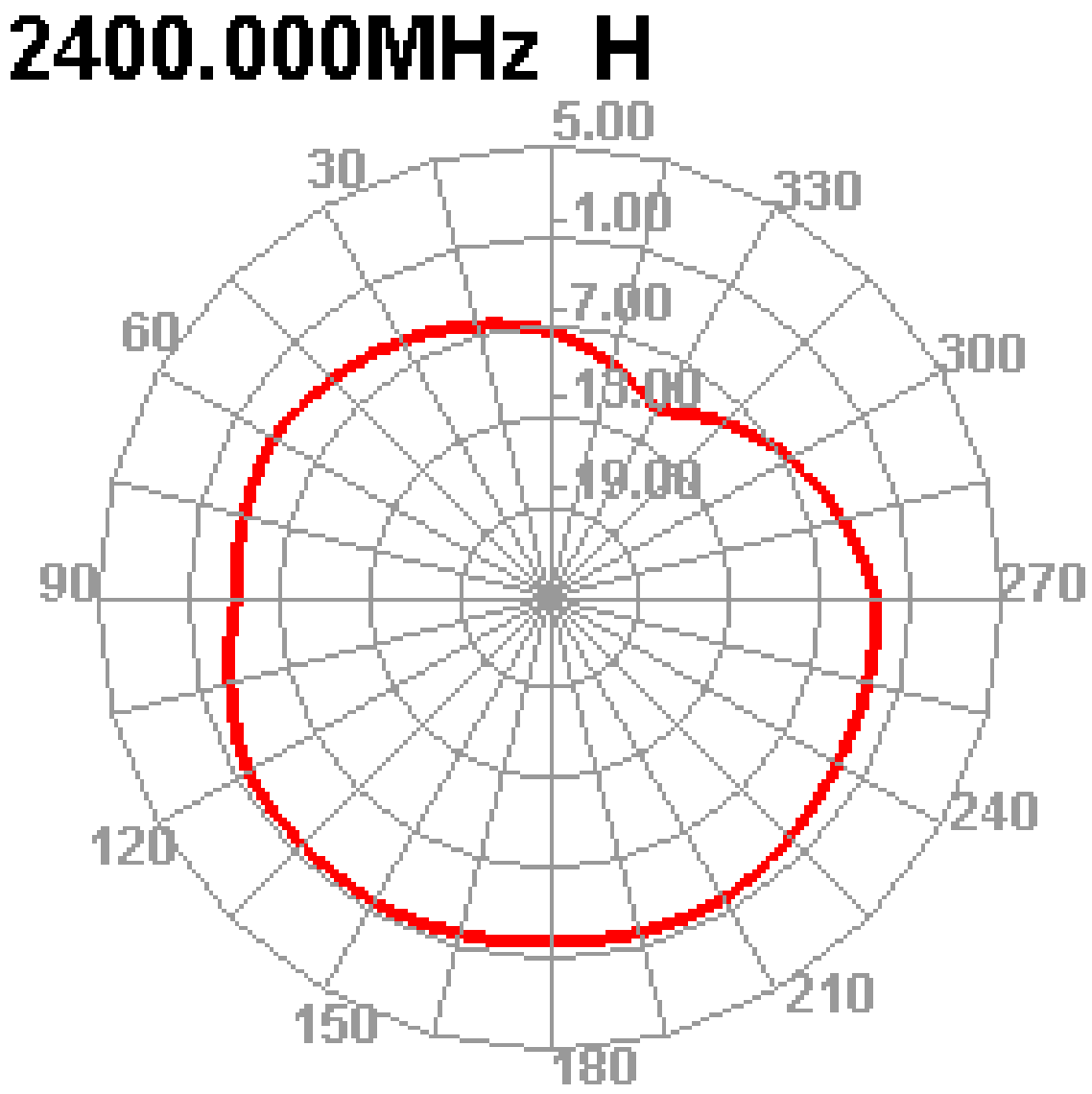

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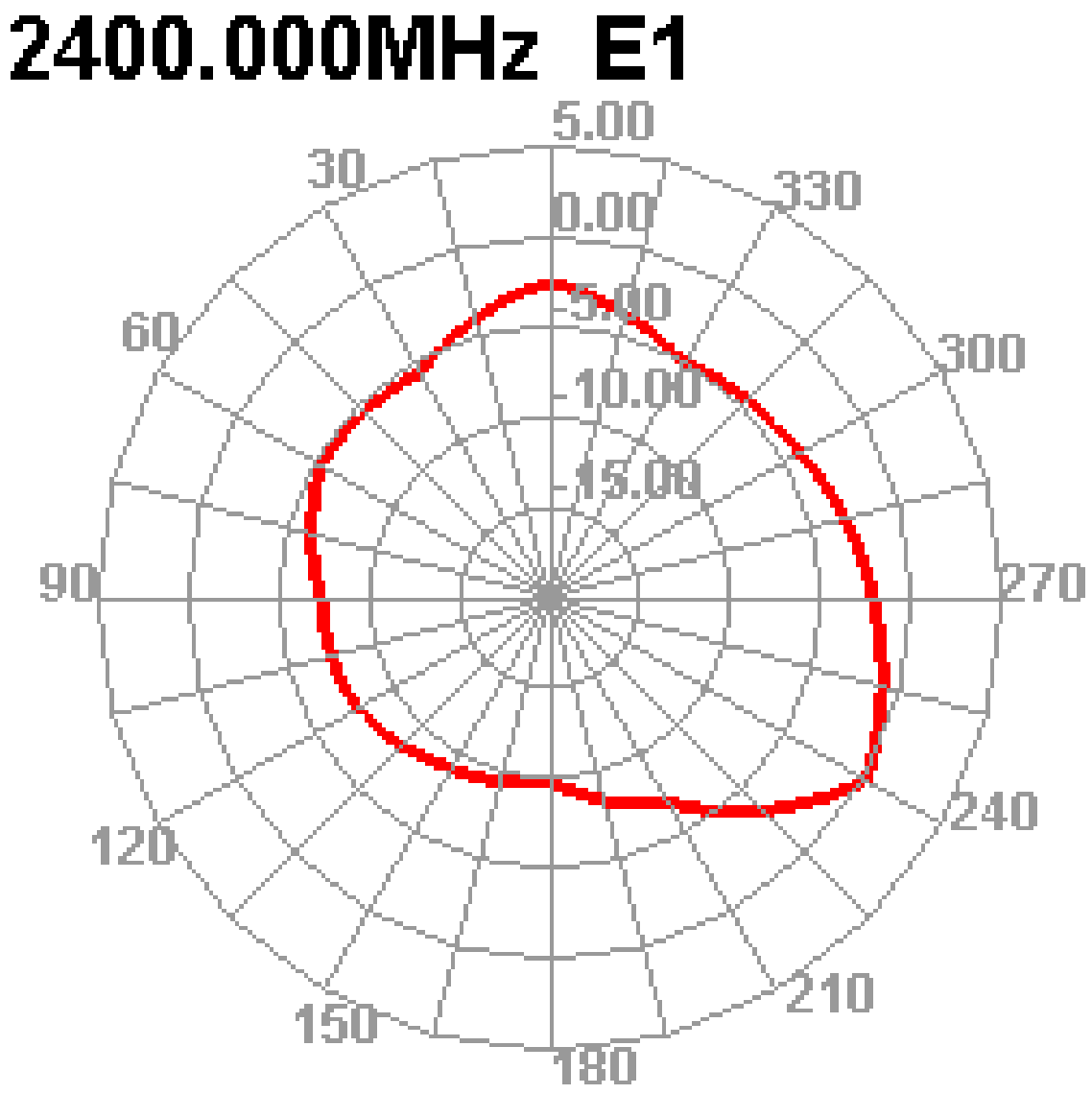

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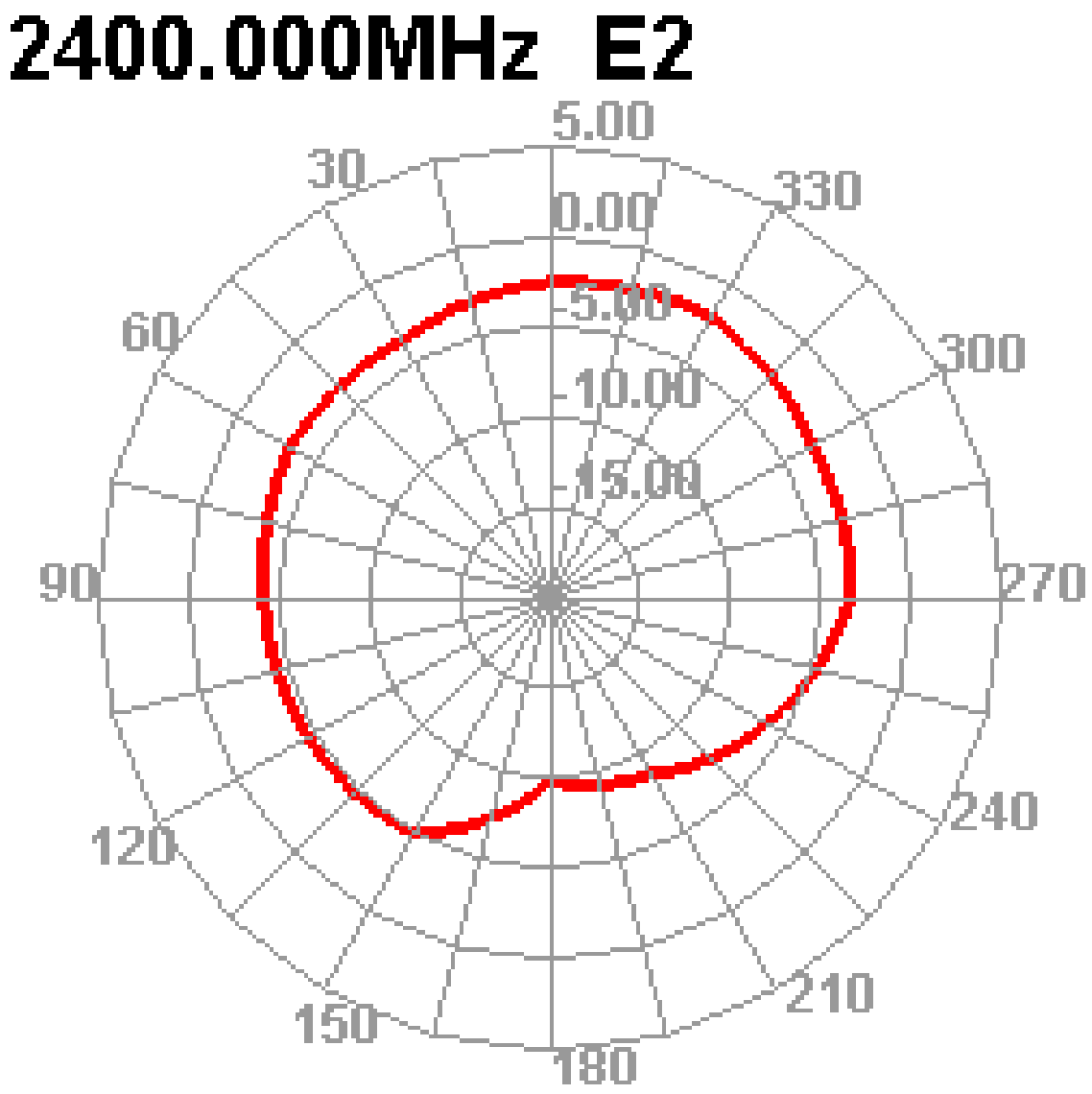

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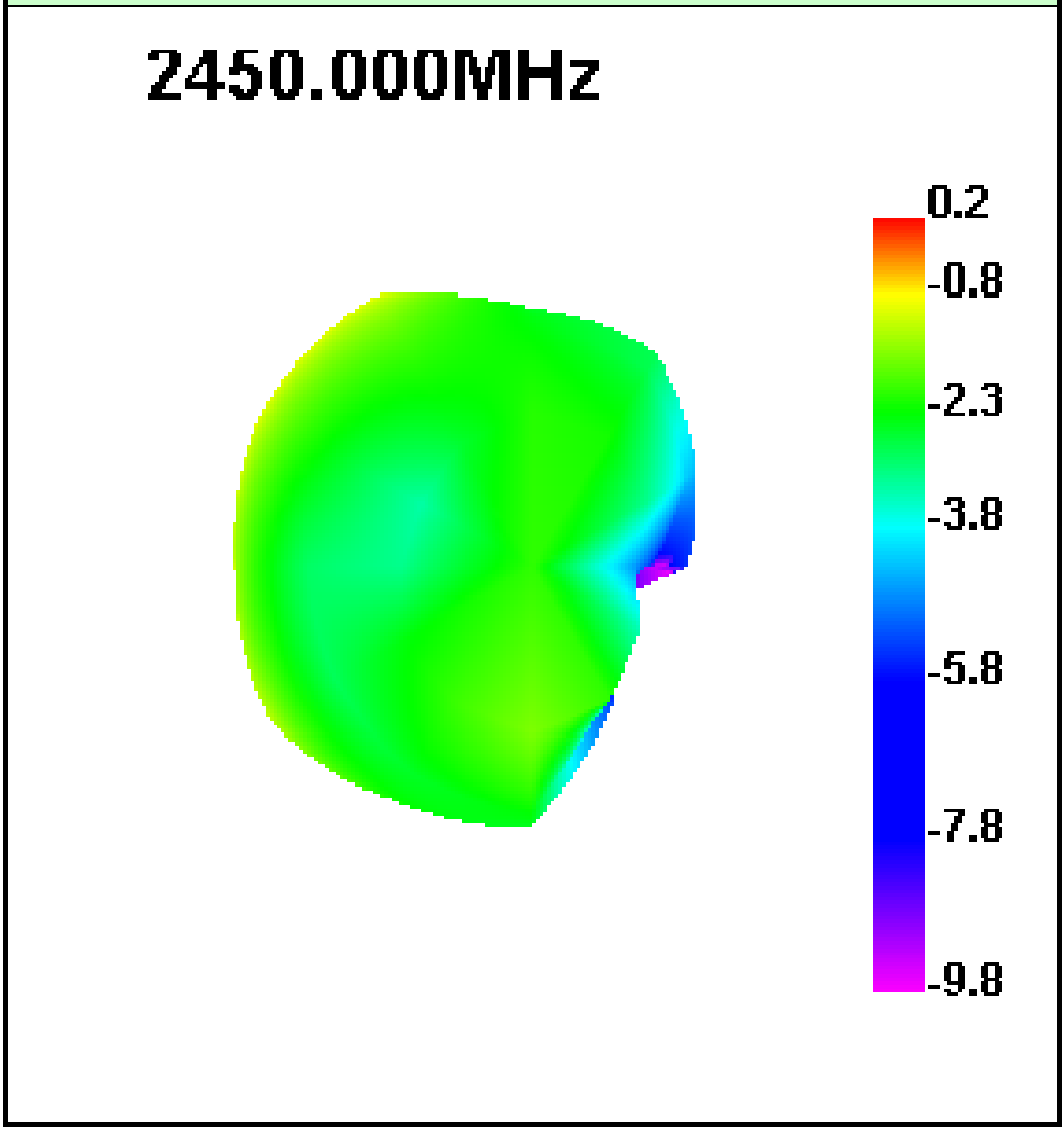

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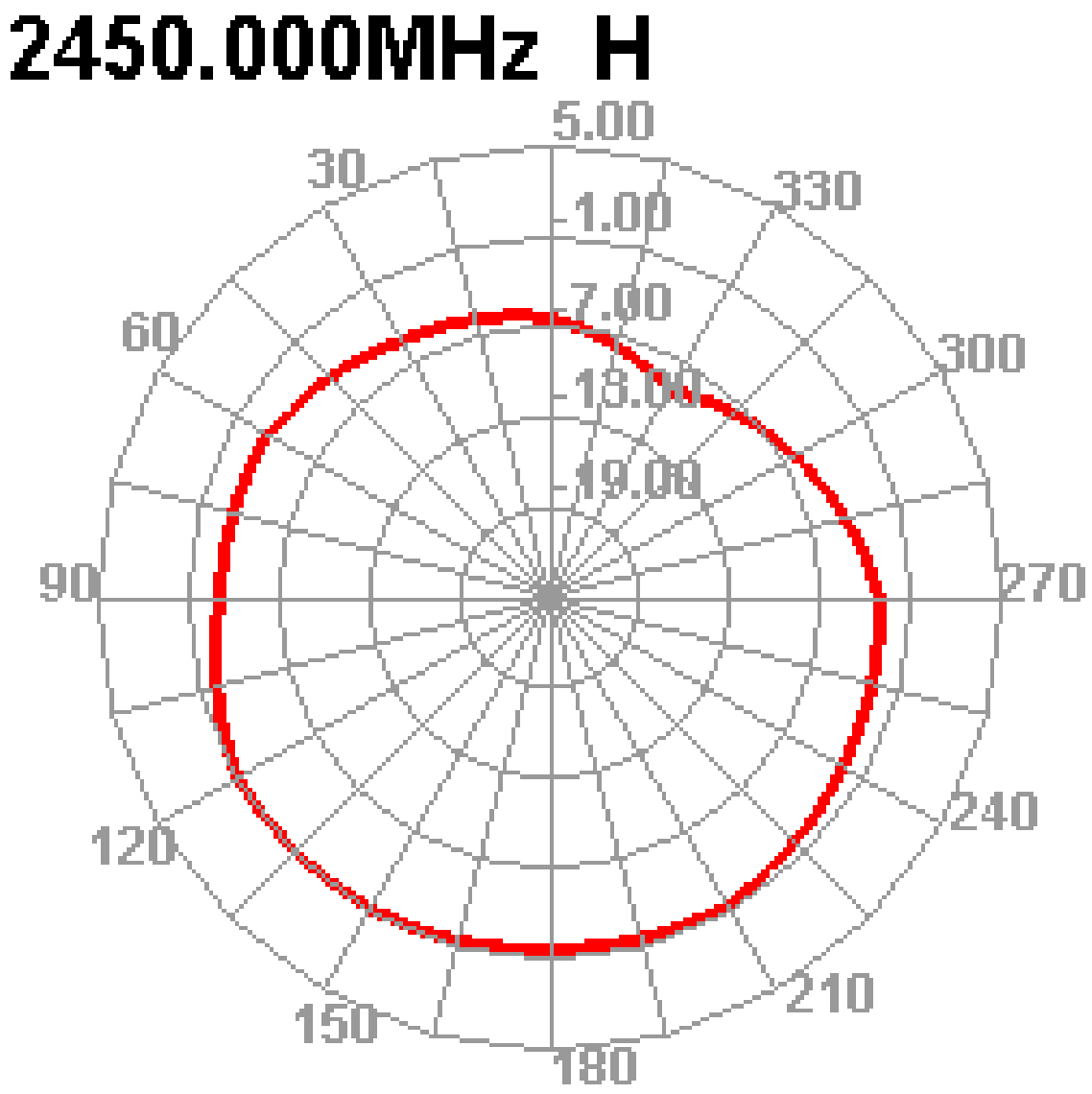

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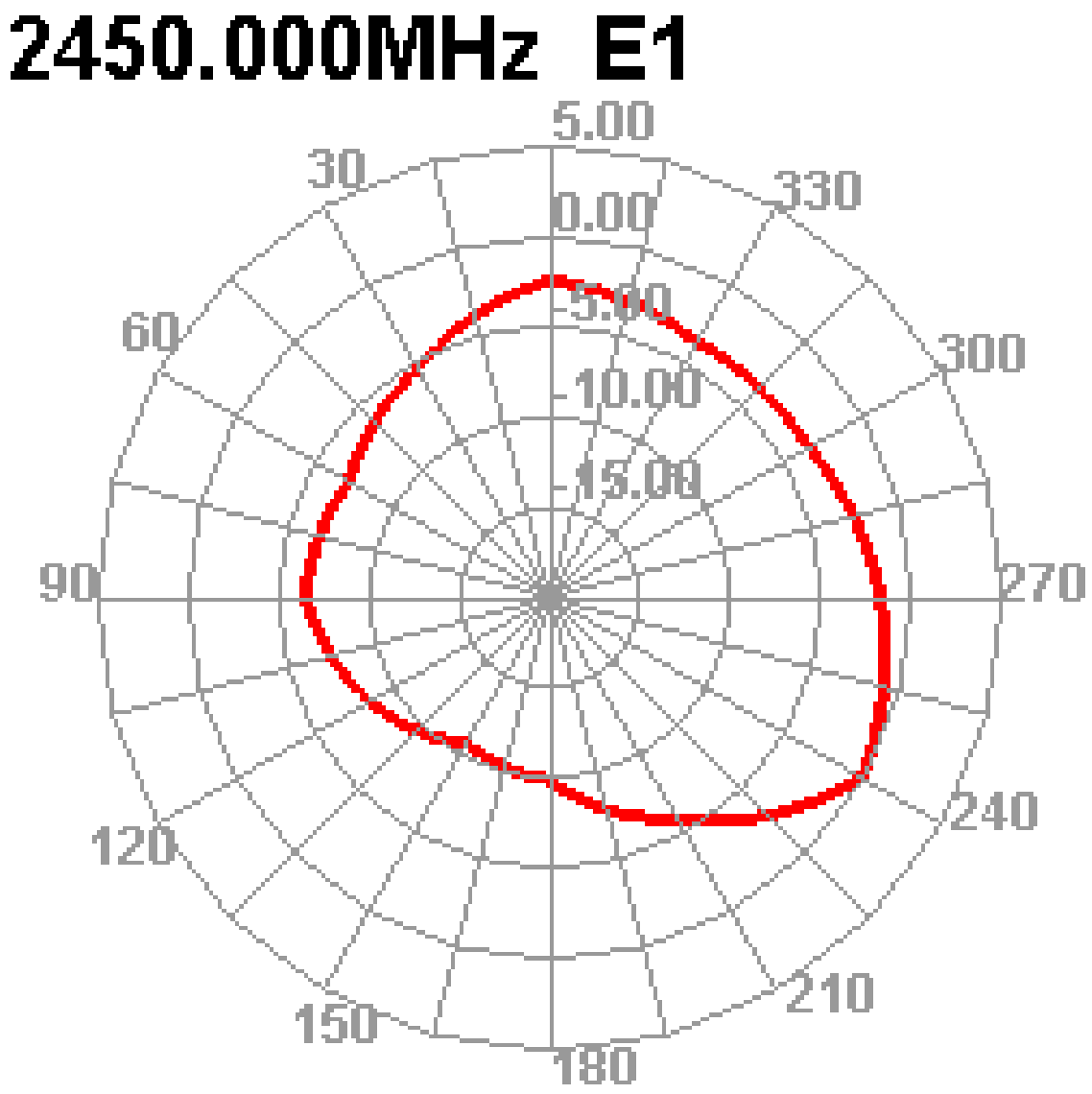

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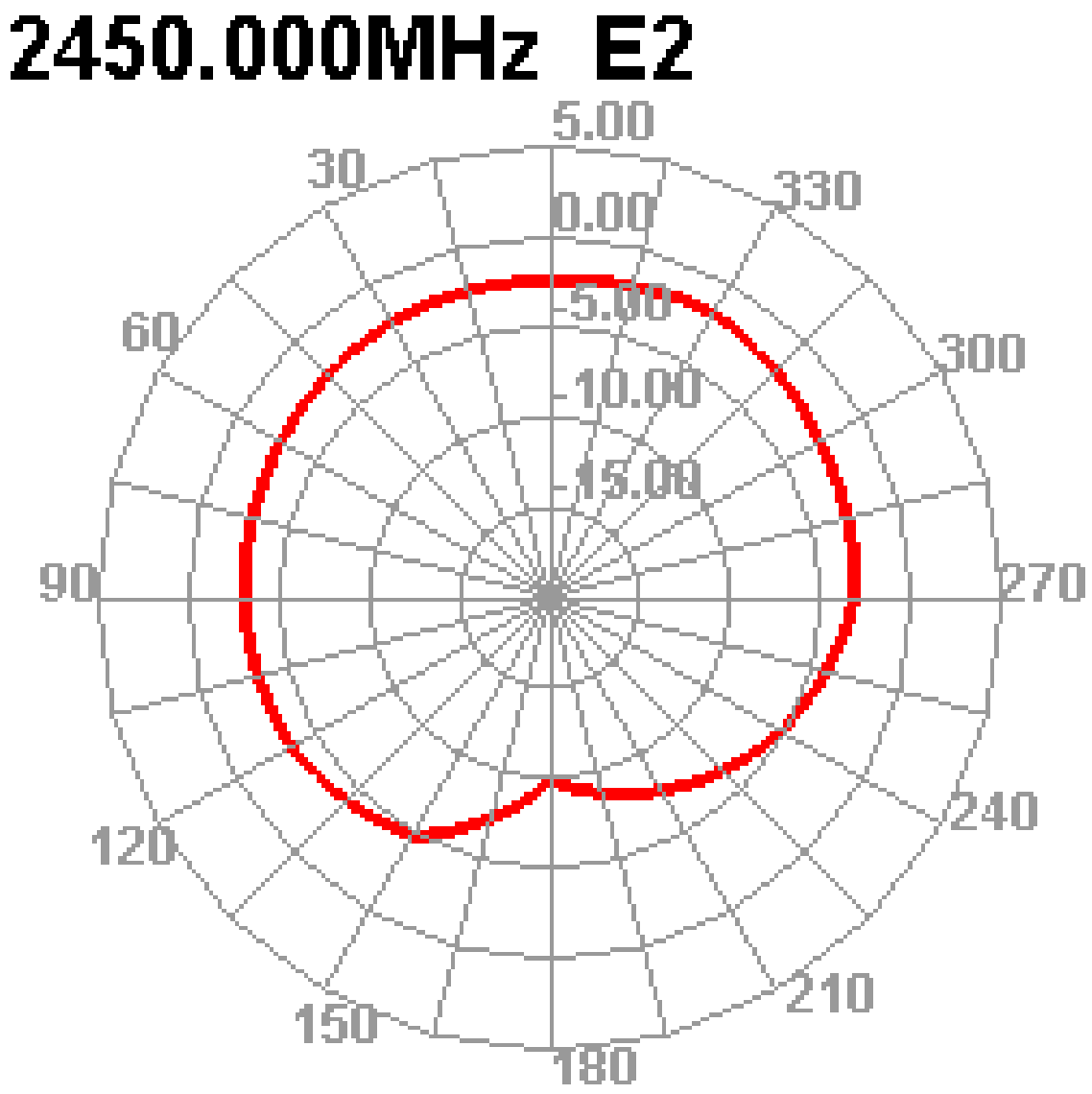

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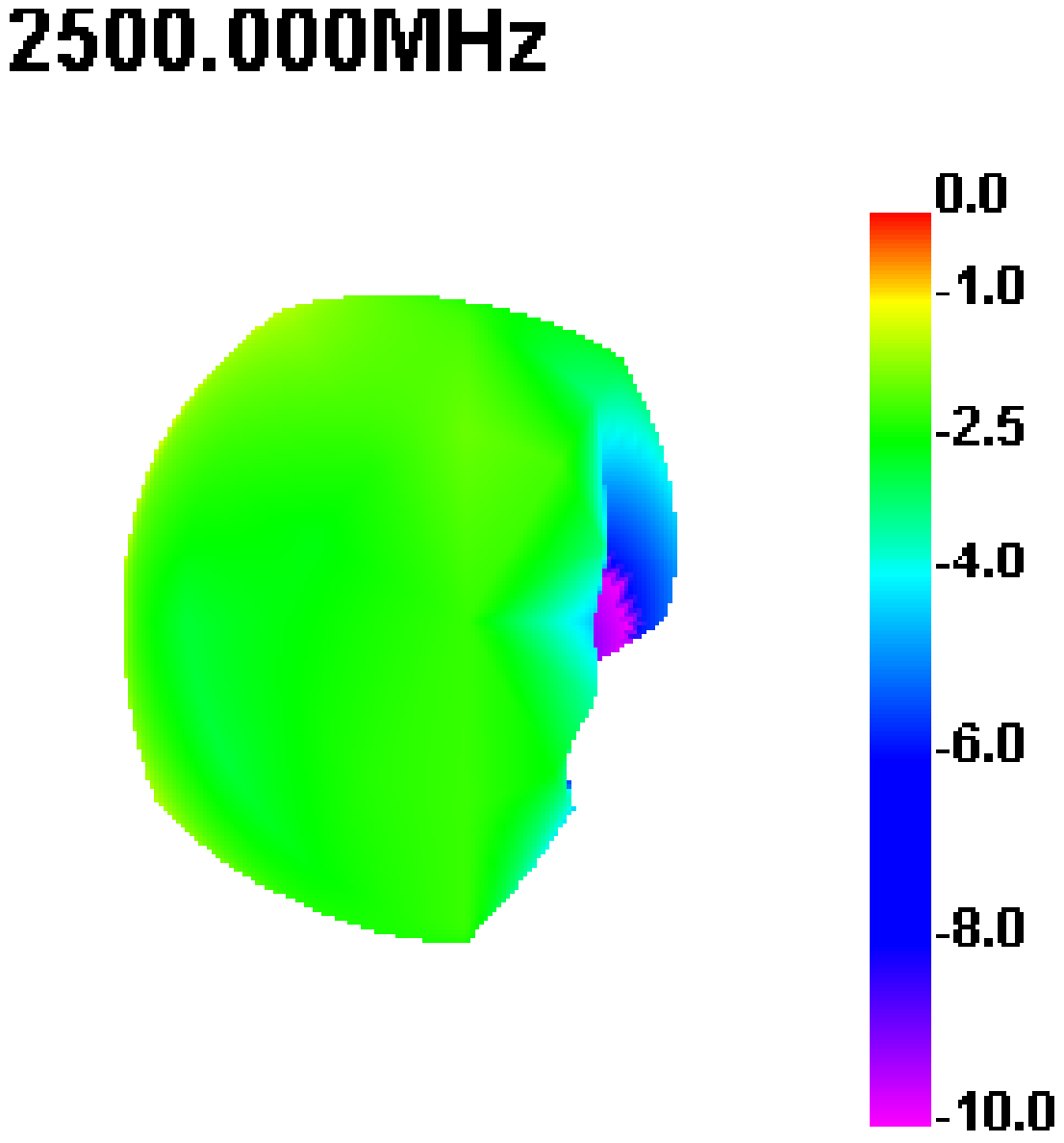

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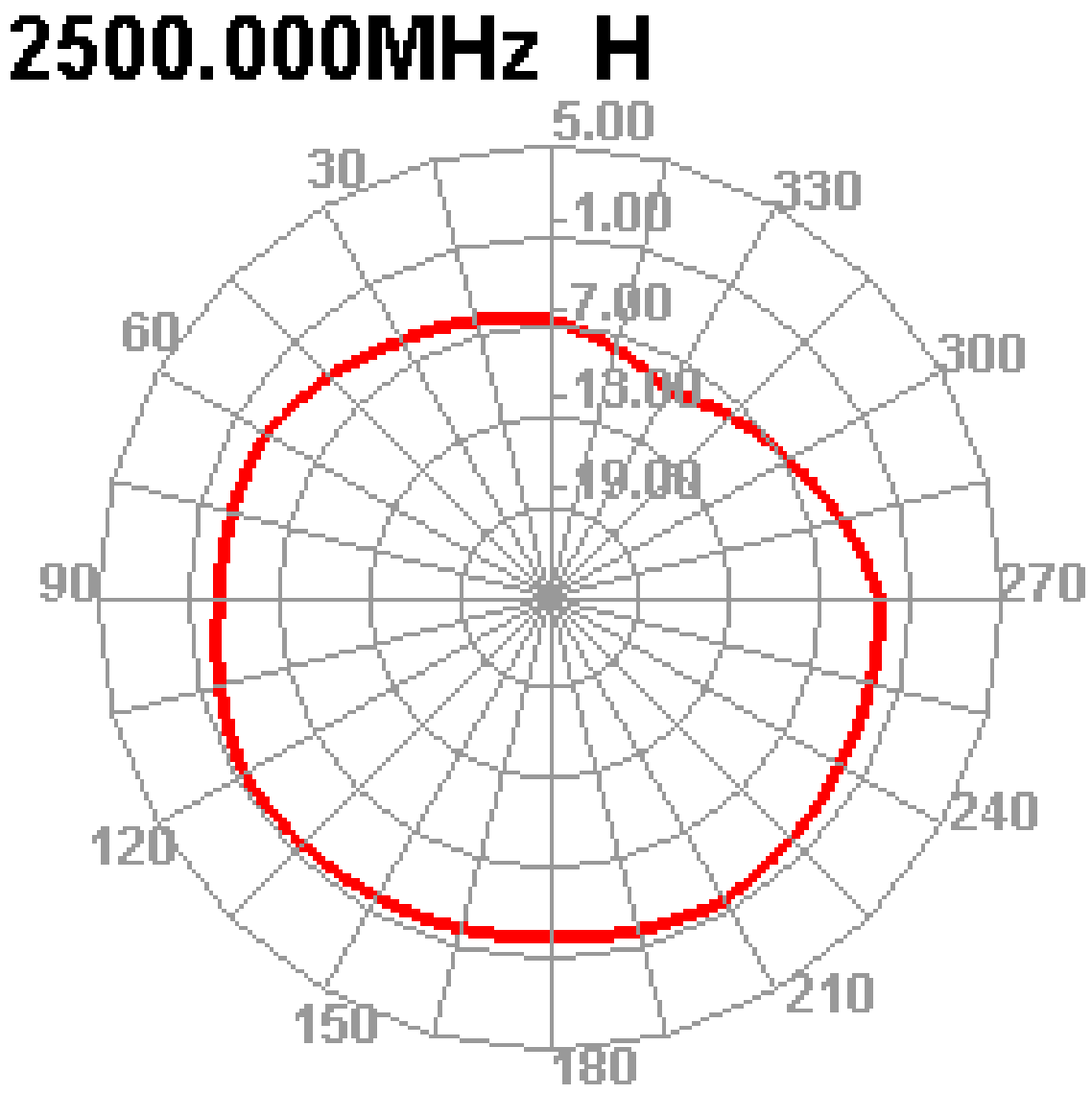

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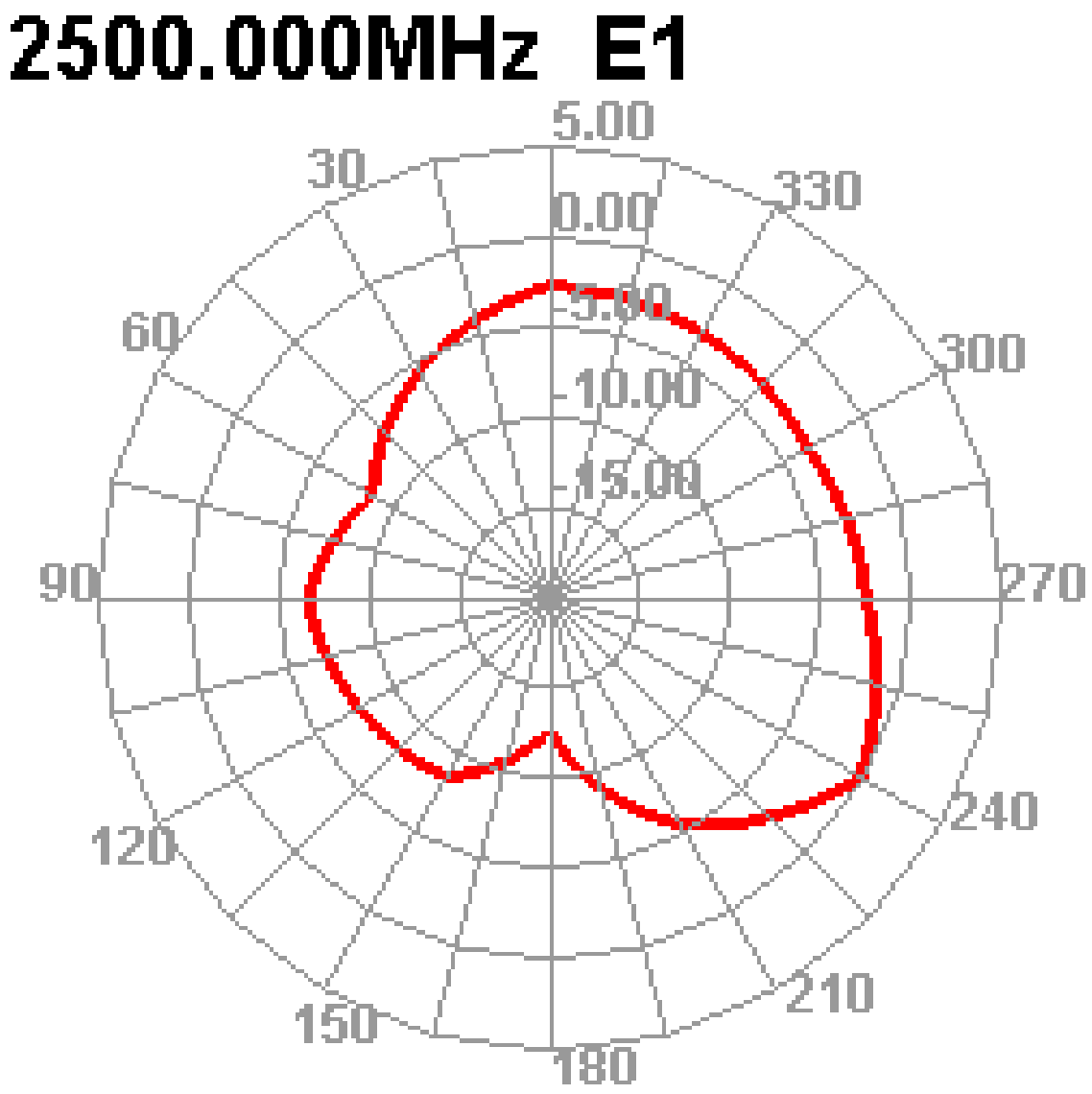

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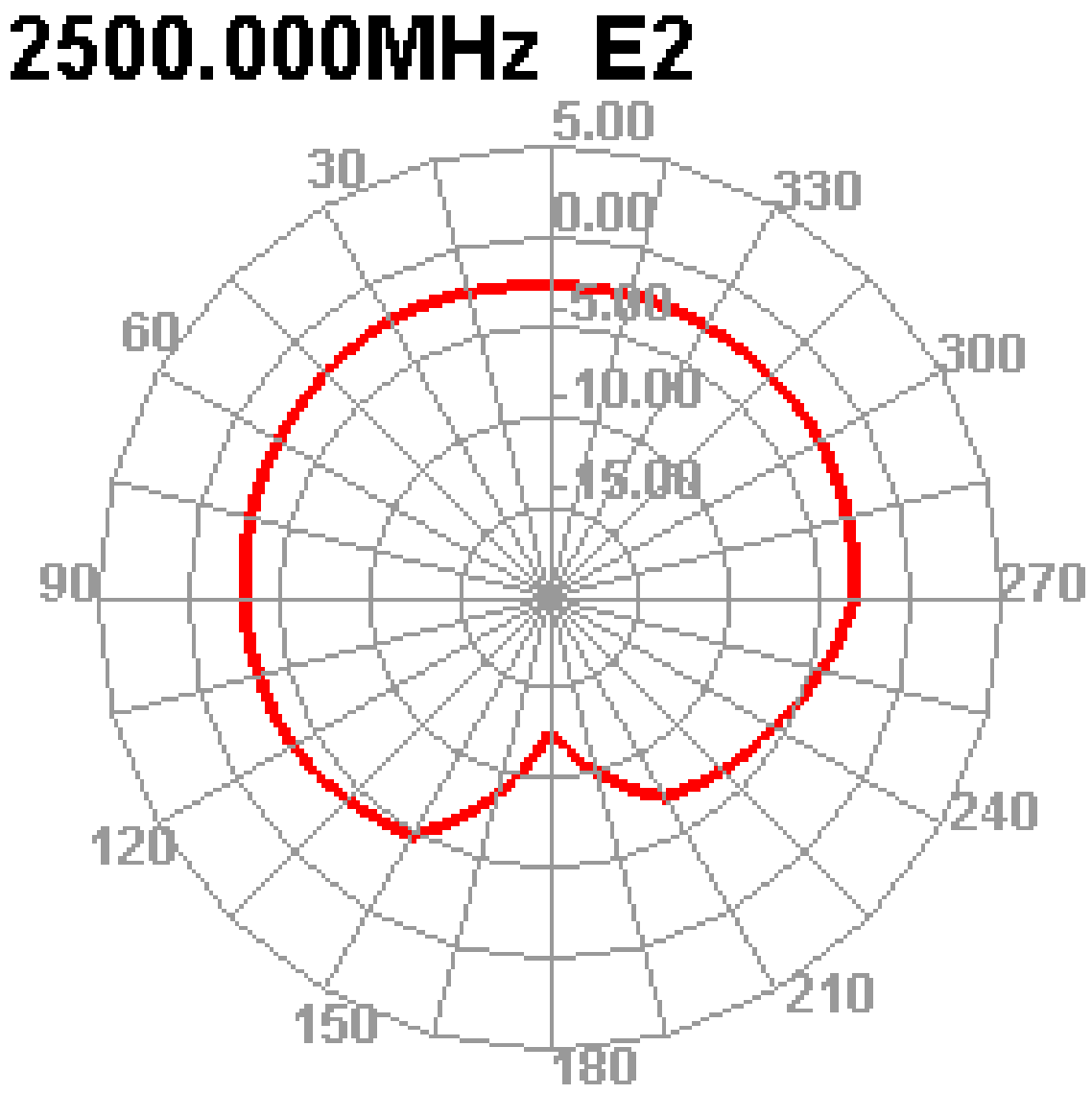

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BT Antenna	

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MSDS 物料安全资料

产品名称：镀镍高碳弹簧钢丝

公司名称：东莞市信宣金属材料有限公司
地　　址：东莞市长安镇振安东路业盛金属材料广场
电　　话：0769-85345468

1、物料成分：

C：0.72％
Si：0.15％
Mn：0.5％
P：0.011％
S：0.004％

2、物理性质：

外观：银白色，光滑
熔点：1440℃
密度：7.93g/cm^2
可溶性：不溶于水

3、可燃性：

不燃

4、反应性、稳定性：

稳定性：良好，不分解
危险的分解产物：无
避免接触物：强酸、强碱、强氧化剂、水

5、保护措施：

工作场所要防火、防雨
库房要防火、防雨

6、健康危险数据：

侵害人体主要途径：无
致癌化学物或隐性致癌物：无

7、搬运与储存时的注意事项：

搬运时要防止擦伤表面
存放于阴凉干燥处，远离火源和热源

8、NPA 危害评估：健康