



样品规格书

Antenna Part Specification

客户名称: Customer name:	通力电子 Tonly Technology Co., Ltd.
项目名称: Project name:	狮子座 Leo
天线类型: Material category:	LDS 天线 LDS antenna
版本: Version:	V3.0
日期: Date:	2024.01.16



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变更记录栏 Change record			
编制/变更日期 Compile / change date	变更理由 Reason for change	变更内容 Changed content	版本 Version
2023.10.26	初版发行 First edition	初版发行 First edition	V1.0
2023.11.10	天线更新 Antenna update	优化数据 Optimization Data	V2.0
2024.01.16	天线更新 Antenna update	优化数据 Optimization Data	V3.0



一：无源测试报告

I: The report of passive data



Angilent E5071C

左耳天线无源效率与增益

Passive efficiency and gain of left ear antenna

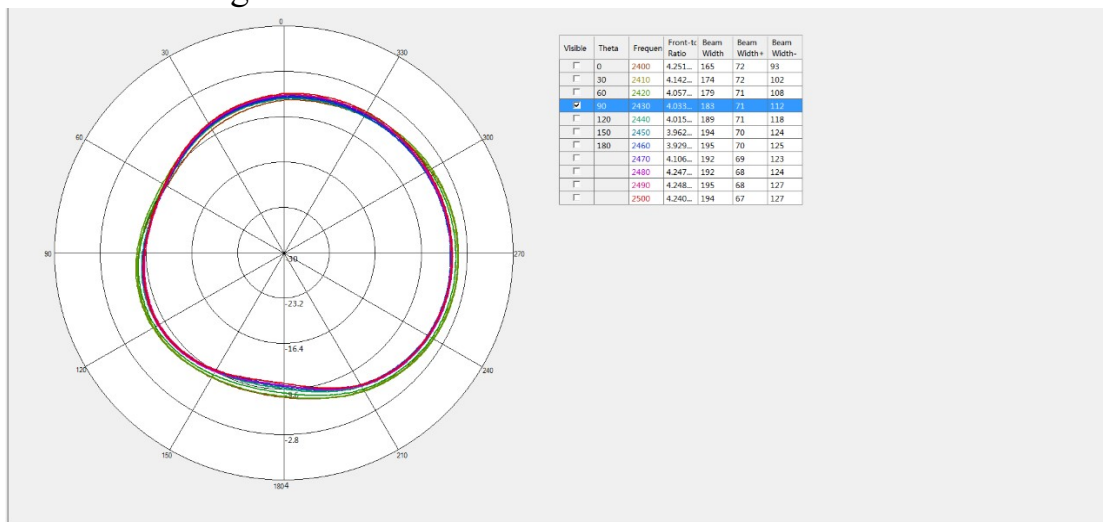
L			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	17%	-7.6	-3.9
2410	18%	-7.4	-3.6
2420	18%	-7.3	-3.4
2430	18%	-7.6	-3.6
2440	17%	-7.8	-3.7
2450	17%	-7.8	-3.7
2460	16%	-7.9	-3.9
2470	17%	-7.7	-3.7
2480	17%	-7.7	-3.7
Average value	17%	-7.6	-3.7



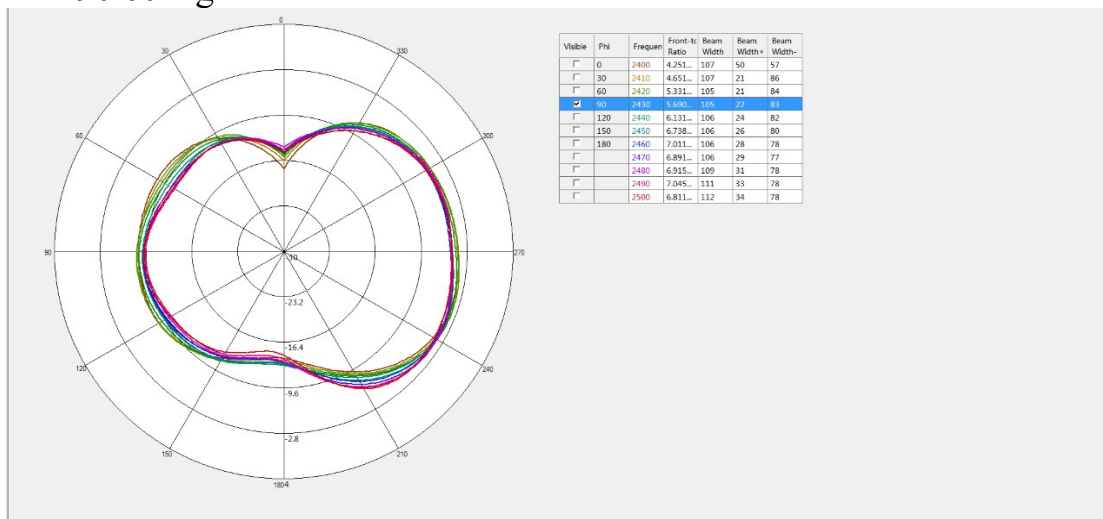
天线无源方向图

Antenna radiation pattern

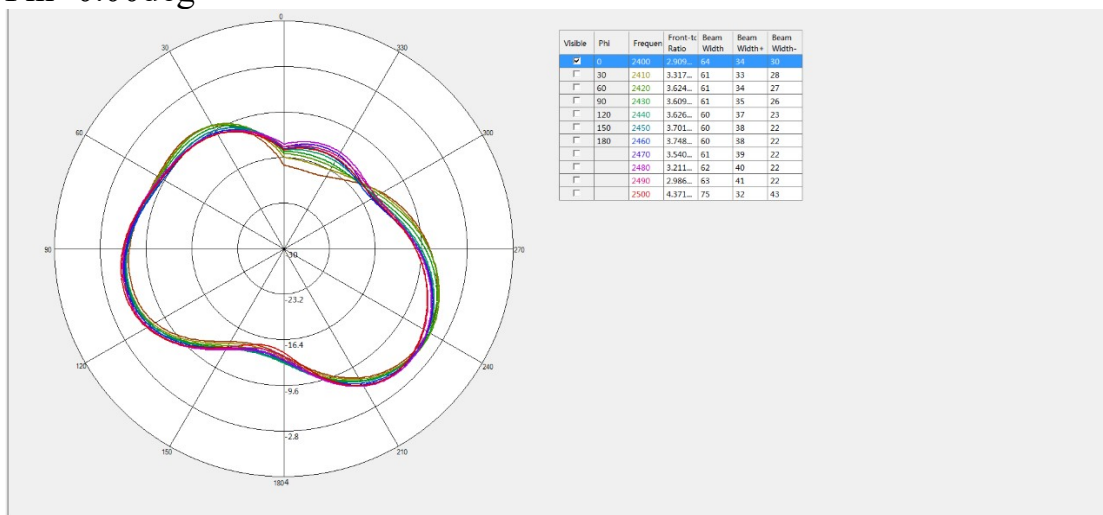
Theta=90.00deg



Phi=90.00deg



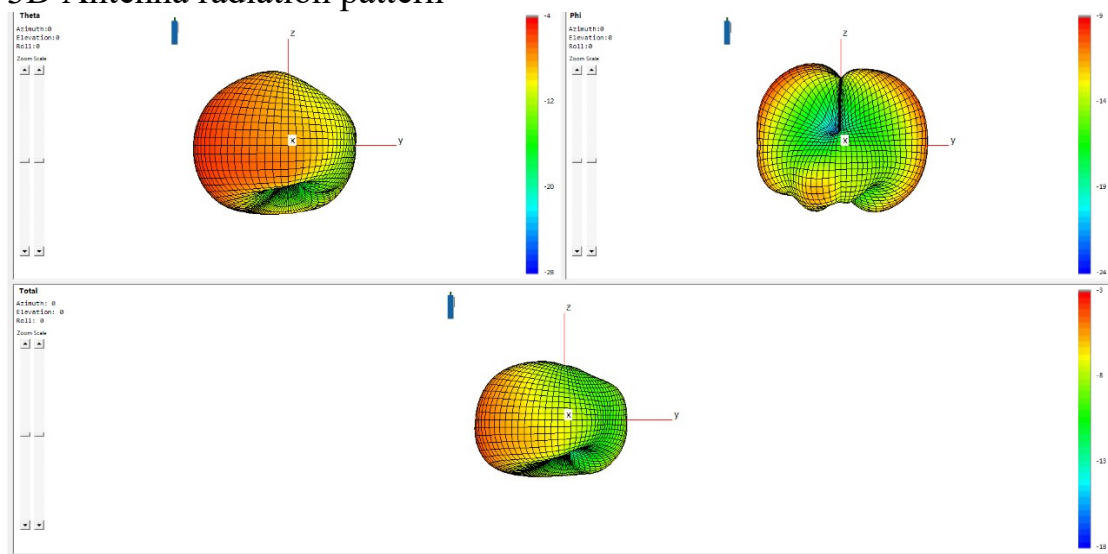
Phi=0.00deg





天线无源 3D 方向图

3D Antenna radiation pattern



二：暗室有源测试数据

II: 3D Active test report of antenna

Headform/头模	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	5.1	-87.0
	CH 39	5.4	-87.2
	CH 78	5.3	-87.1



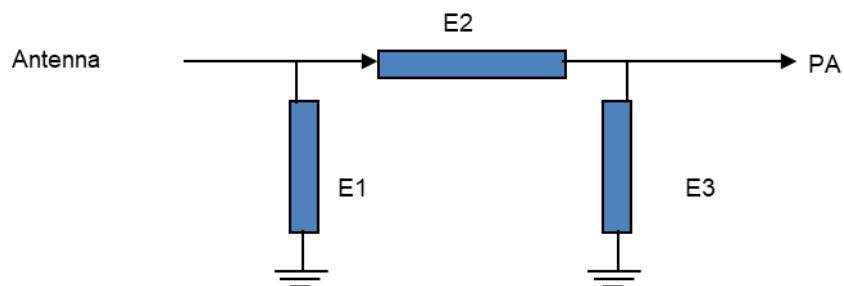
OTA Standard Chamber



三：匹配电路

III: Matching circuit

Element	Value
E1(0201)	9.1nH
E2(0201)	1pF
E3(0201)	N/A





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一：无源测试报告

I: The report of passive data



Angilent E5071C

右耳天线无源效率与增益

Passive efficiency and gain of Right ear antenna

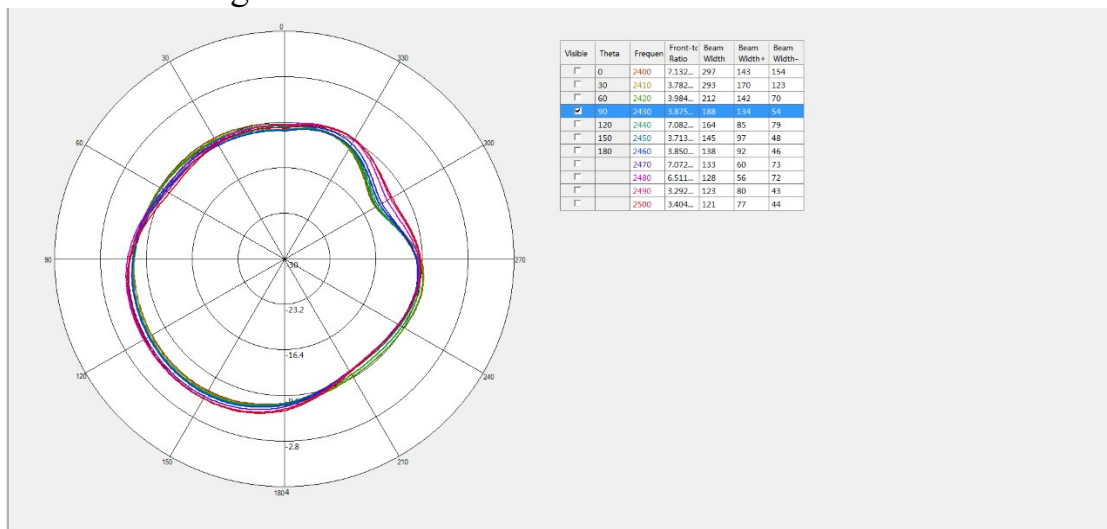
R			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	17%	-7.7	-3.2
2410	17%	-7.7	-3.3
2420	17%	-7.7	-3.3
2430	17%	-7.8	-3.5
2440	16%	-8.0	-3.8
2450	16%	-8.0	-3.8
2460	16%	-8.1	-3.9
2470	16%	-7.8	-3.6
2480	17%	-7.6	-3.4
Average value	17%	-7.8	-3.6



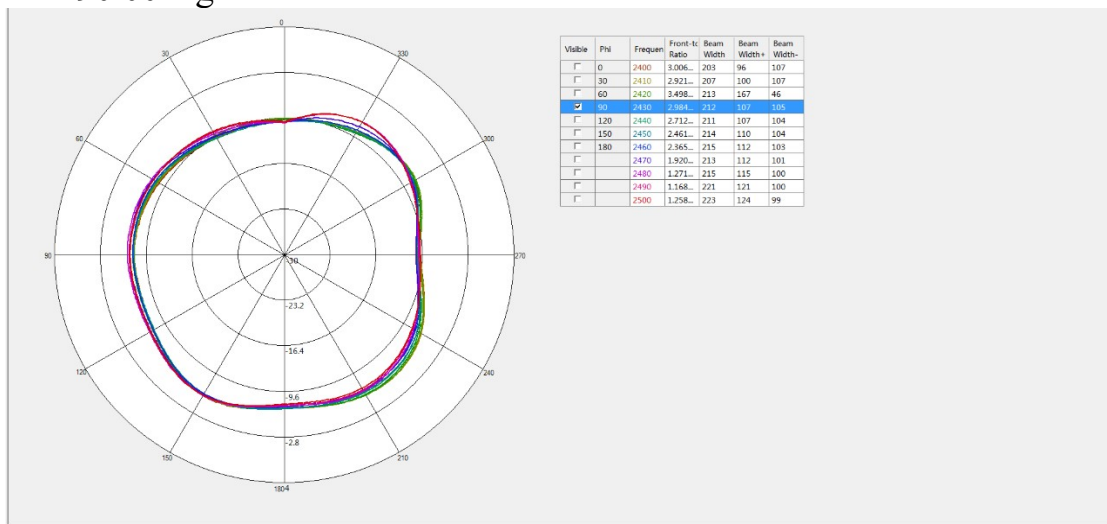
天线无源方向图

Antenna radiation pattern

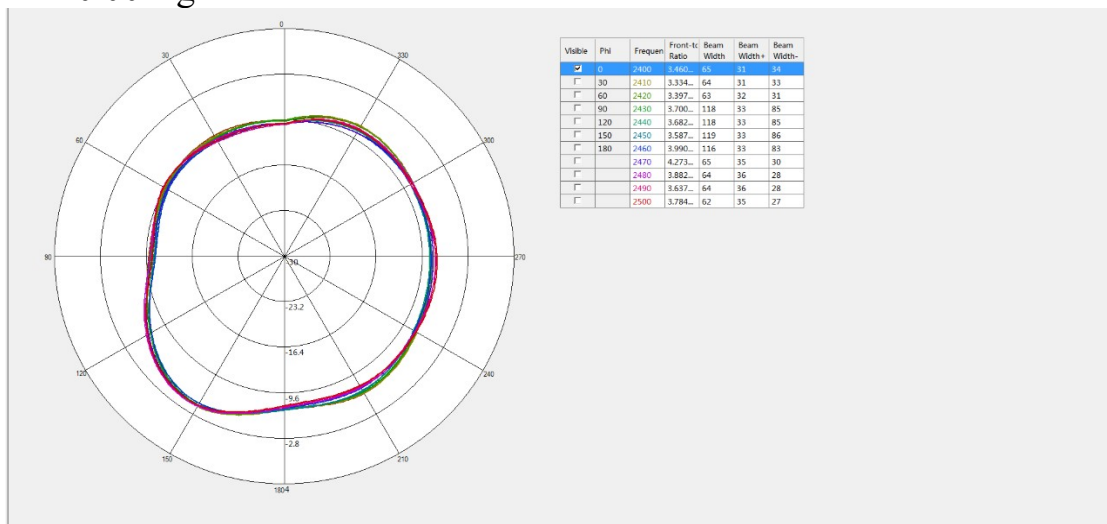
Theta=90.00deg



Phi=90.00deg



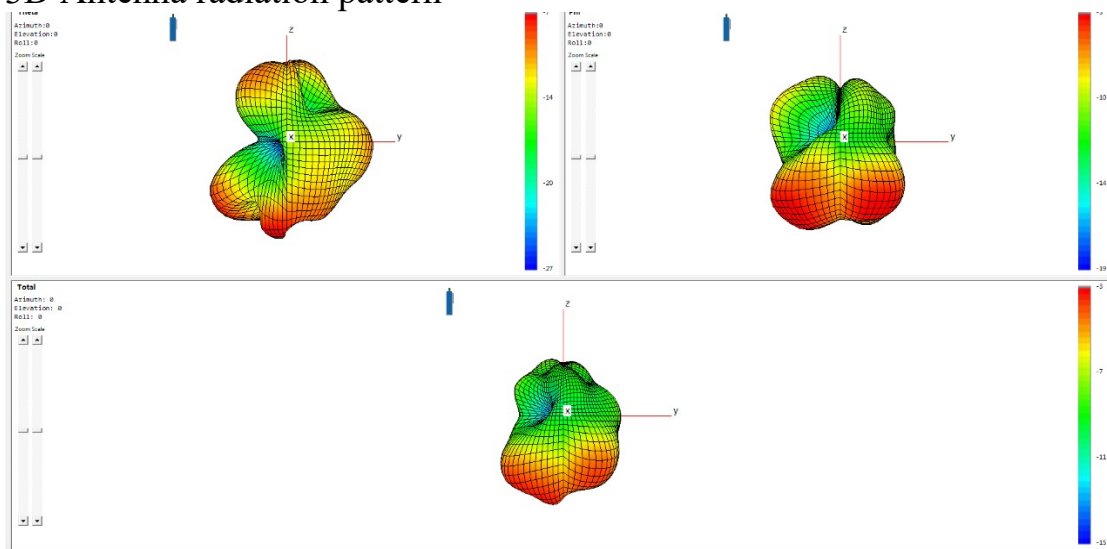
Phi=0.00deg





天线无源 3D 方向图

3D Antenna radiation pattern



二：暗室有源测试数据

II: 3D Active test report of antenna

Headform/头模	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	4.9	-87.0
	CH 39	5.1	-87.2
	CH 78	5.1	-86.9



OTA Standard Chamber



三：匹配电路

III: Matching circuit

Element	Value
E1(0201)	7.5nH
E2(0201)	1pF
E3(0201)	N/A

