

Antenna Test Report

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Project Name: TBC53A
Author: 杨永成
Update: 2023-11-20

项目概况

OverView

CUSTOMER NAME	华创	PROJECT NAME	TBC53A
Items		Details	
• FREQUENCY		2400MHz-2500MHz;	
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

历史报告记录

Revision History

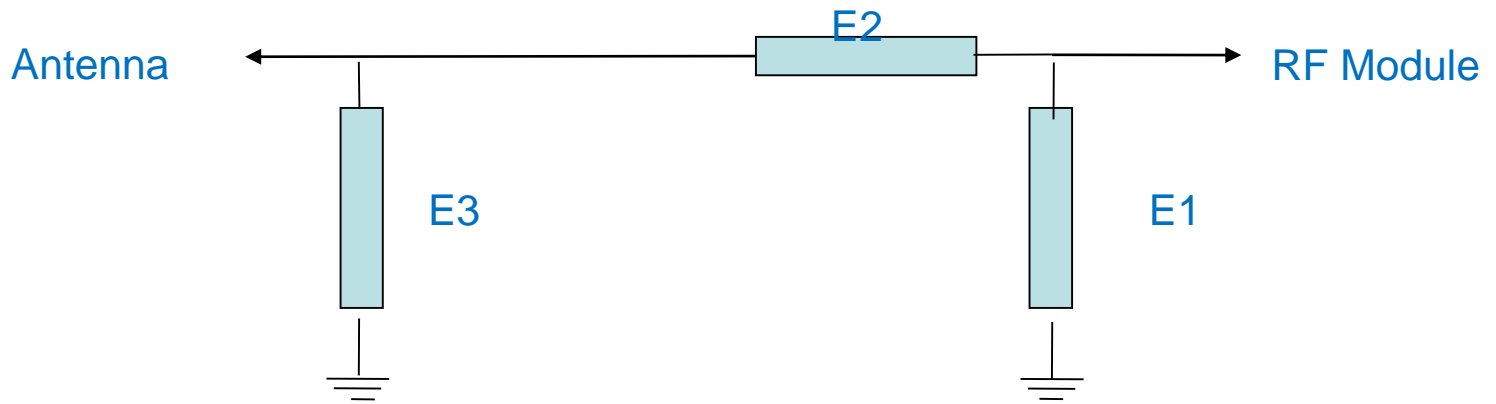
日期(Date)	版本(Revision)	负责人(Author)	更改原因(Description of changes)
2023-11-20	A	杨永成	天线测试报告

Test Item & Equipment

List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone1800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



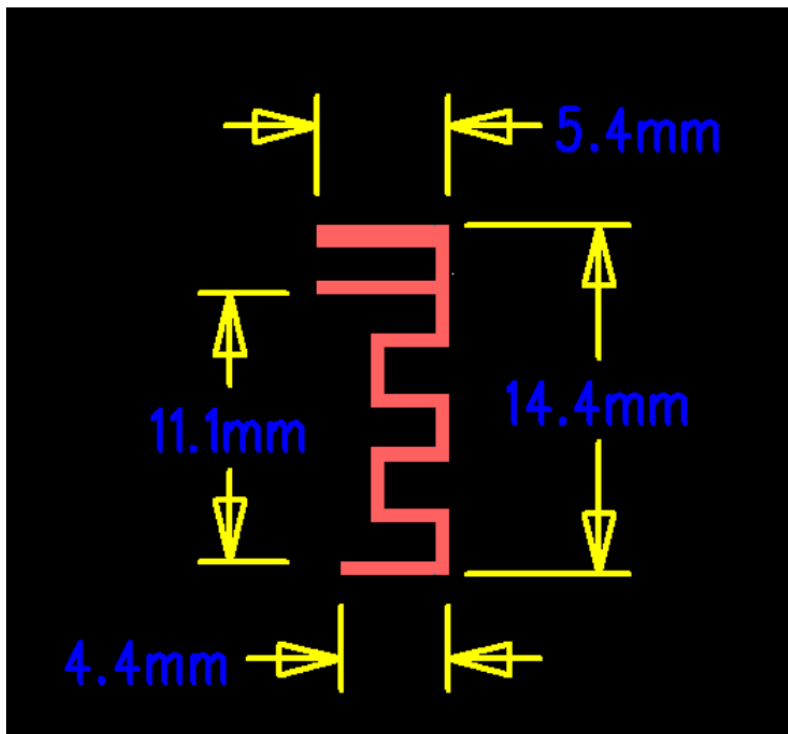
Matching Circuit



Element	Value
E1(0402)	NC
E2(0402)	0
E3(0402)	NC

2023/11/20

天线尺寸图



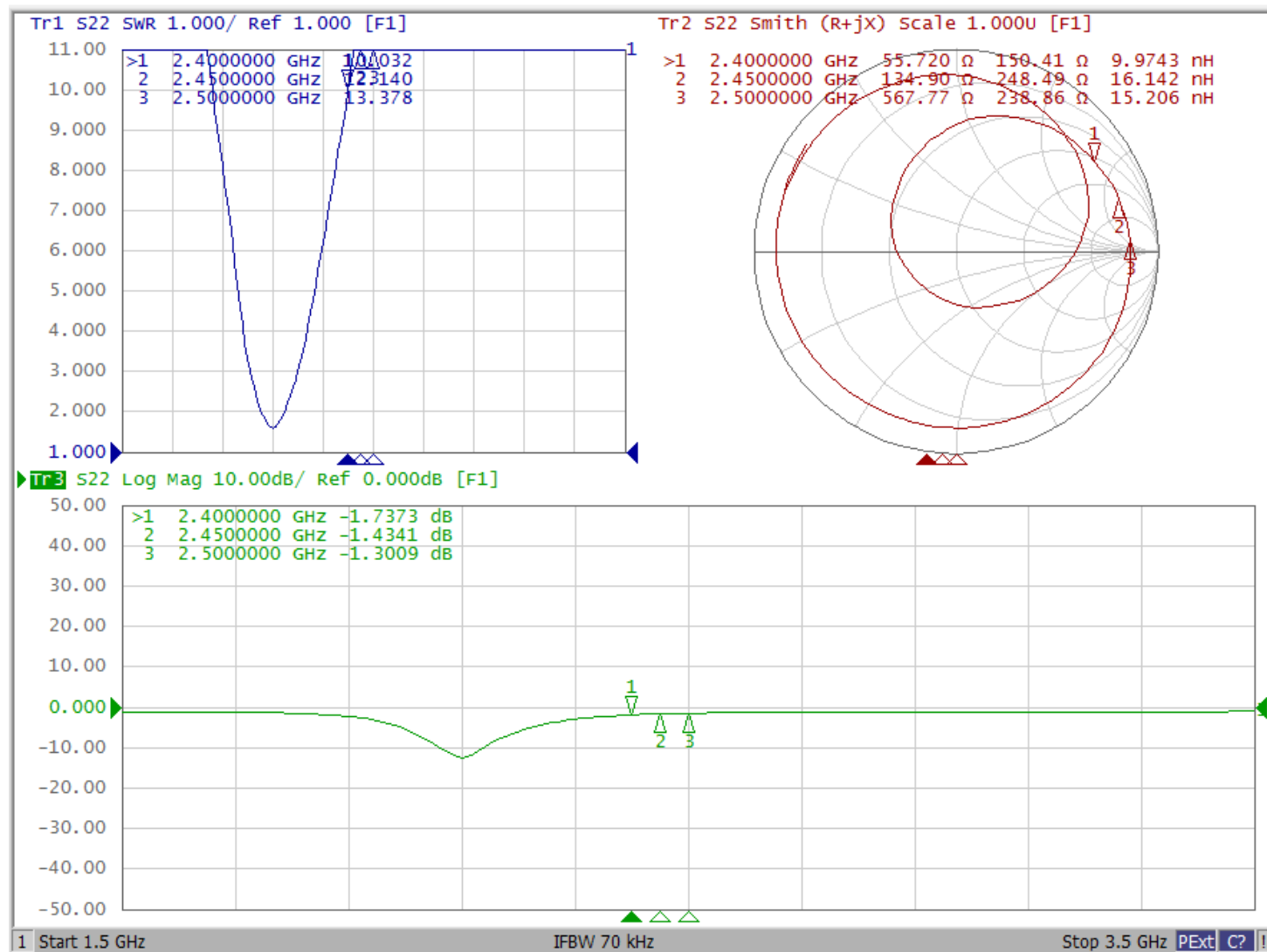
天线制作厂商：深圳市海视远见科技有限公司
Shenzhen High-Frame Technology Co., Ltd.

深圳市南山区西丽大磡科技园二期C栋5楼

5th Floor, Building C, Phase II, Xili Dahong Science and Technology Park,
Nanshan District, Shenzhen City

2023/11/20

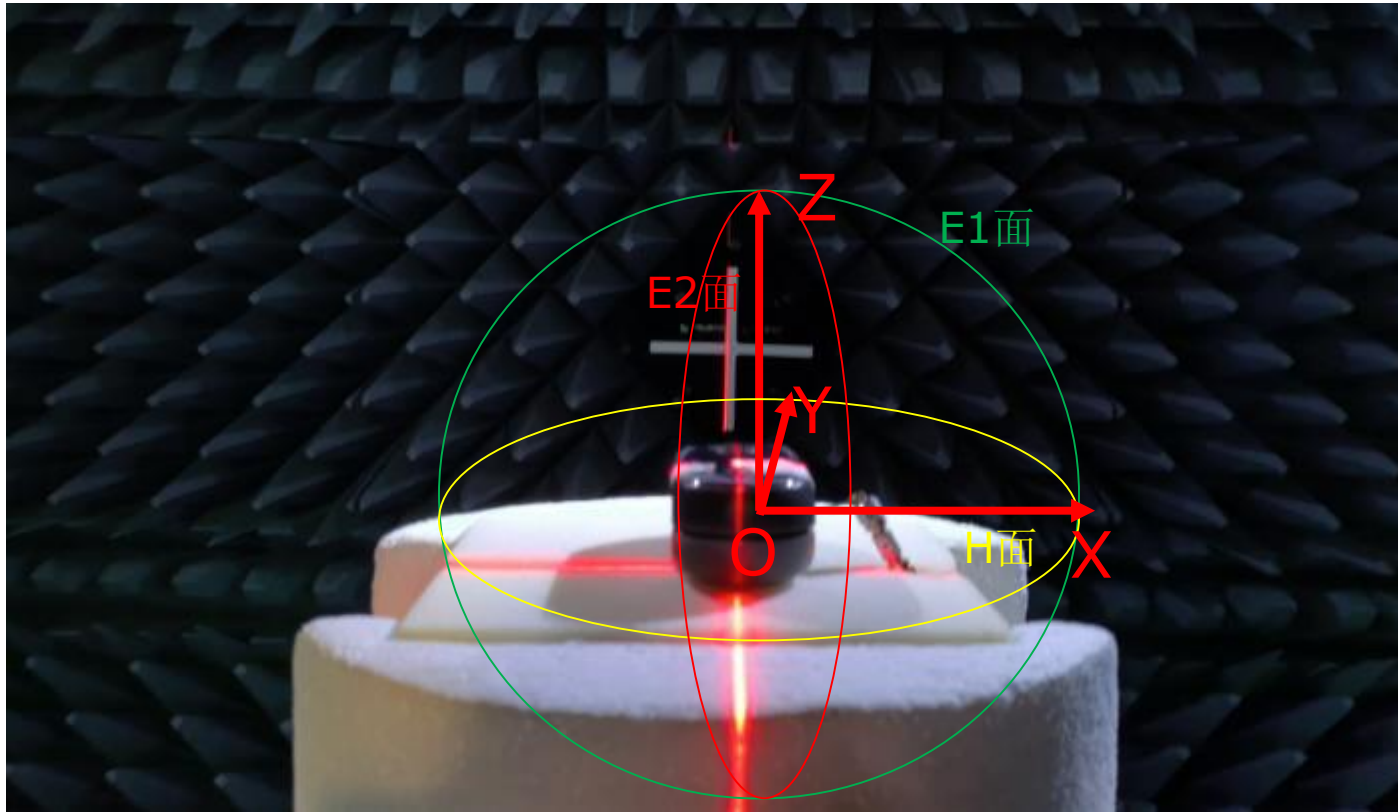
测试图



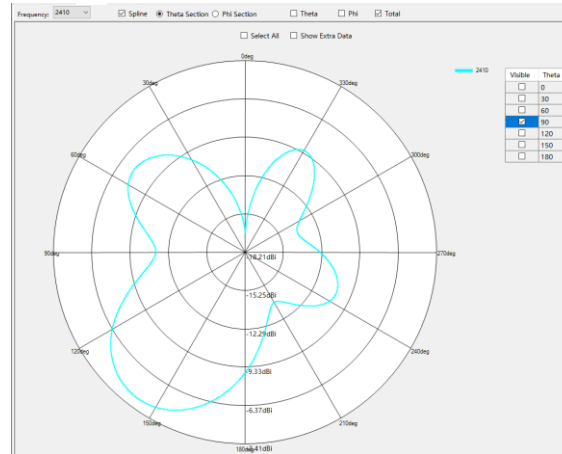
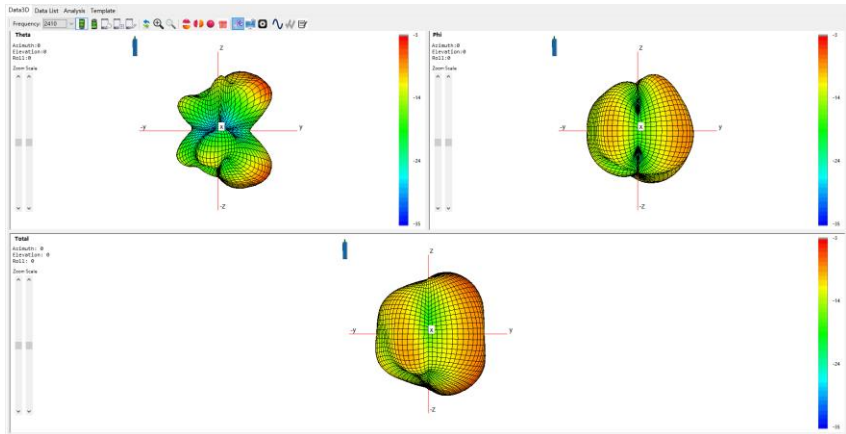
天线无源数据:

Freq (MHZ)	Gain (dBi)	Effi (%)
2400	-3.43	14.42
2410	-3.8	13.48
2420	-4.15	13.02
2430	-4.32	12.92
2440	-4.42	12.94
2450	-4.5	12.89
2460	-4.62	12.48
2470	-4.9	11.67
2480	-5	11.31
2490	-5.12	11.12
2500	-5.16	10.88

暗室测试坐标示意图

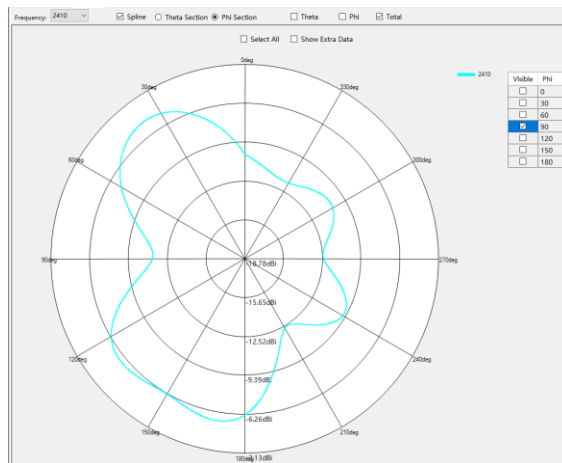
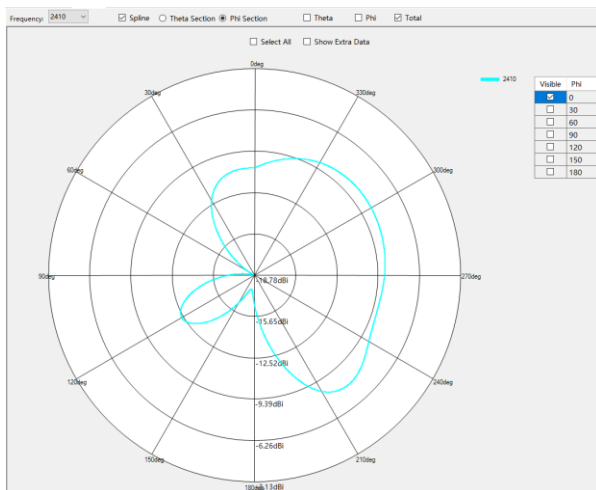


天线2D/3D方向图 (2410MHz)



3D

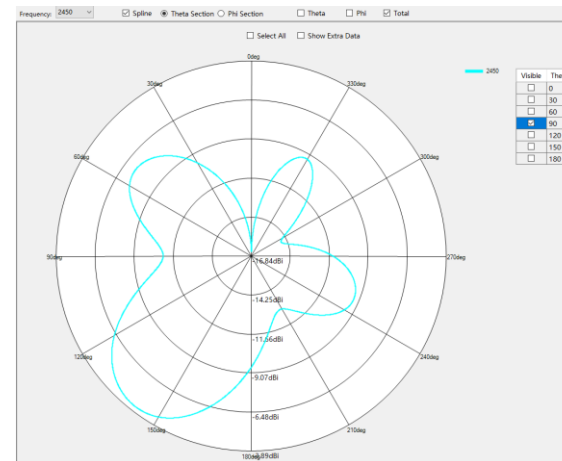
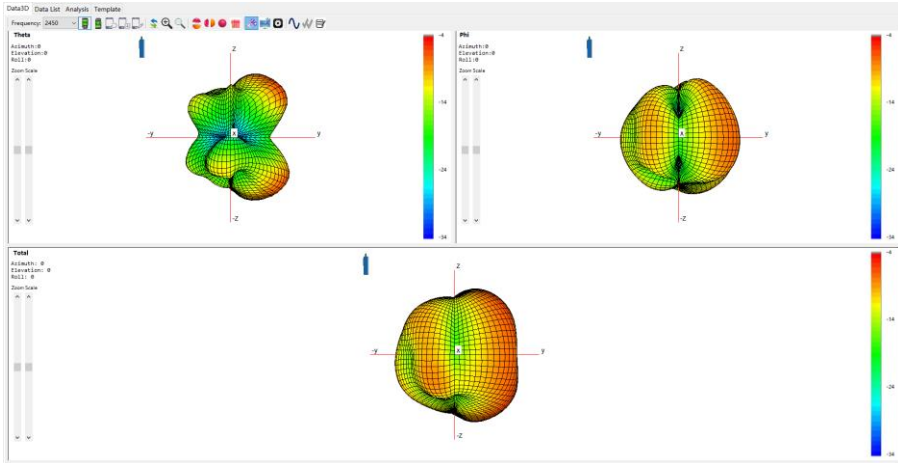
H面



E1面

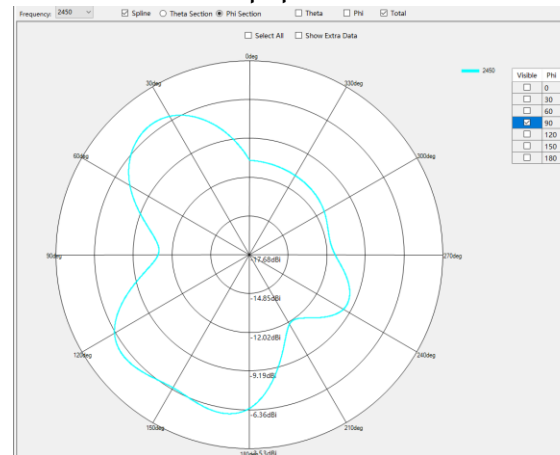
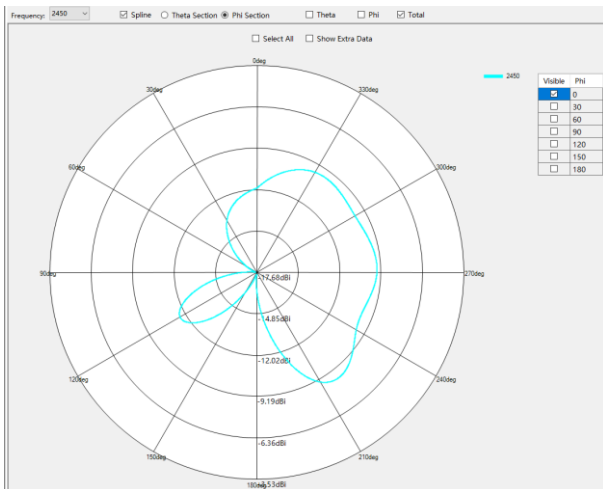
E2面

天线2D/3D方向图 (2450MHz)



3D

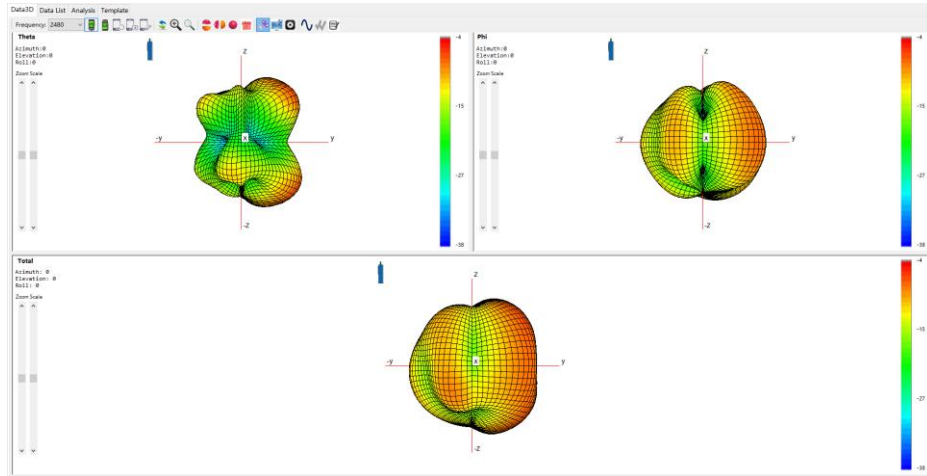
H面



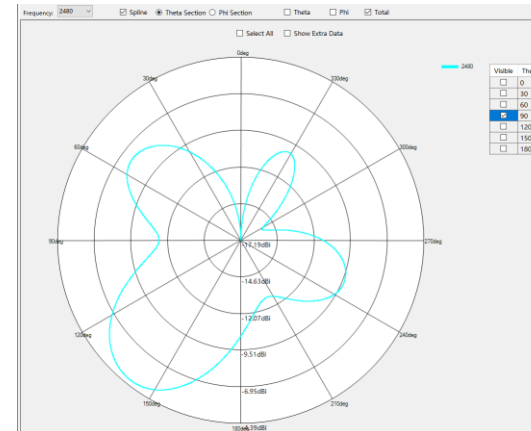
E1面

E2面

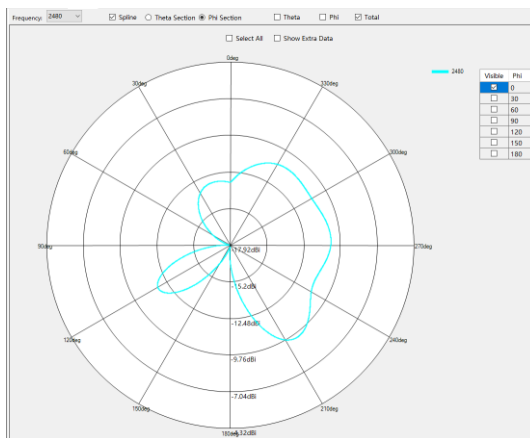
天线2D/3D方向图 (2480MHz)



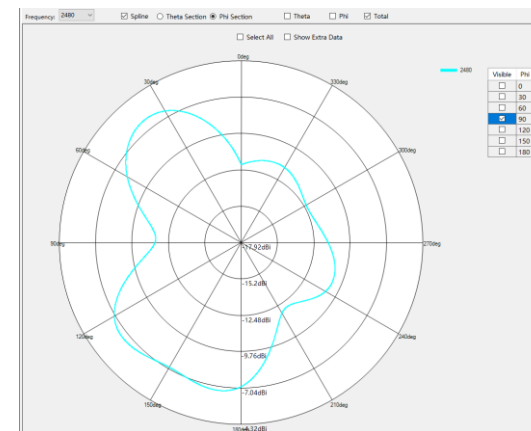
3D



H面



E1面



E2面