



Total Solution Provider for Power, EMI and RF

东聚电子-联想鼠标天线测试报告

Prepared by: 韩国军

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Rev:01

Contents

- Revised History
- Specification
- Kunsan Chamber- SATIMO_Starlab
- Test Setup for S-parameter Measurement
- Antenna Picture
- S- Parameter_ Returnloss
- Coordinate System
- 3D Peak Gain & Efficiency List Table
- 2D Radiation Pattern Results





Revised History

Date	Version	Revised Record
2021/08/11	01	



Specification

Electrical	
Item	Specification
Test Environment	Free Space
Antenna Type	Chip
Frequency Range	2400-2500MHz
Returnloss	<-10
Polarization	Linear
Gain(Peak Gain)	<-0.62 dBi
Efficiency	>32%
Input Impedance	50 ohm

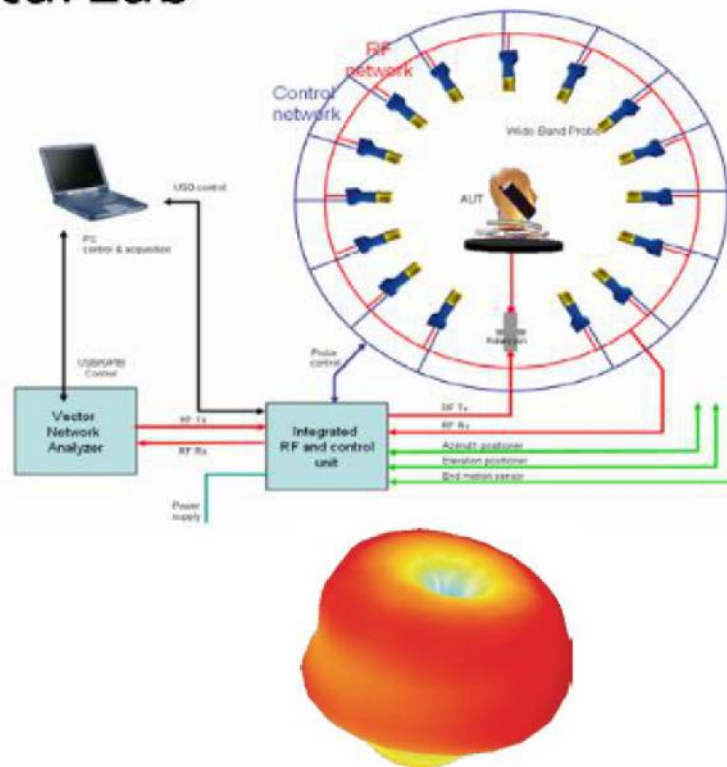


Kunsan Chamber _SATIMO_Starlab



StarLab

StarLab



Chamber Dimension: 3m*3m*3m

Test Setup for S-parameter Measurement

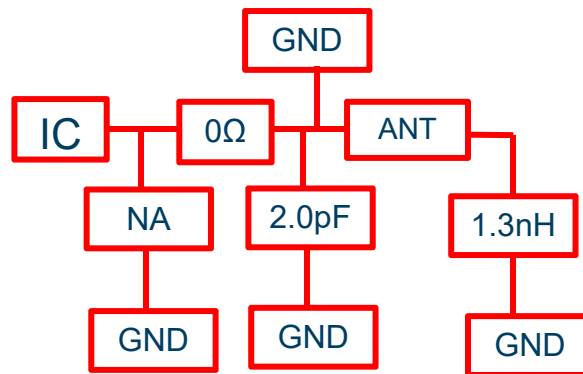


Keysight E5071C ENA
9 kHz 至 8.5 GHz

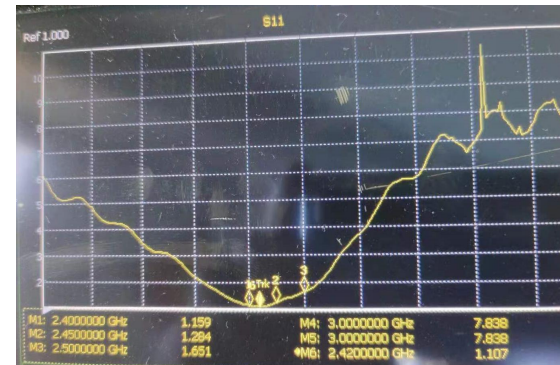
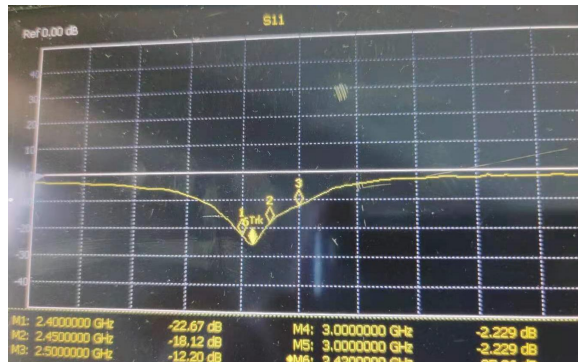


Antenna Picture

Ant (BTCA00321608002G4P)



S- Parameter



Coordinate System

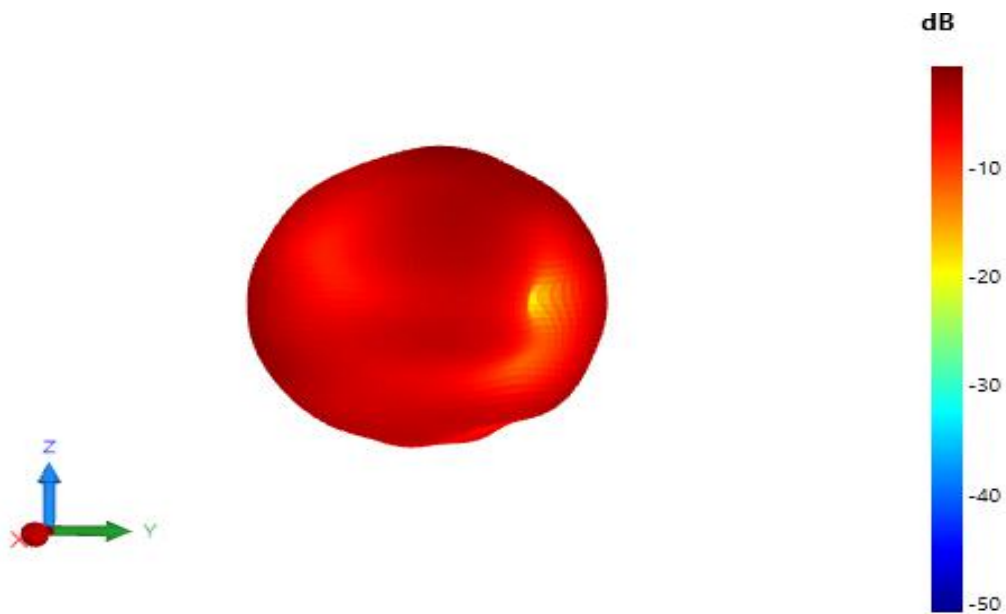


3D Peak Gain & Efficiency List Table

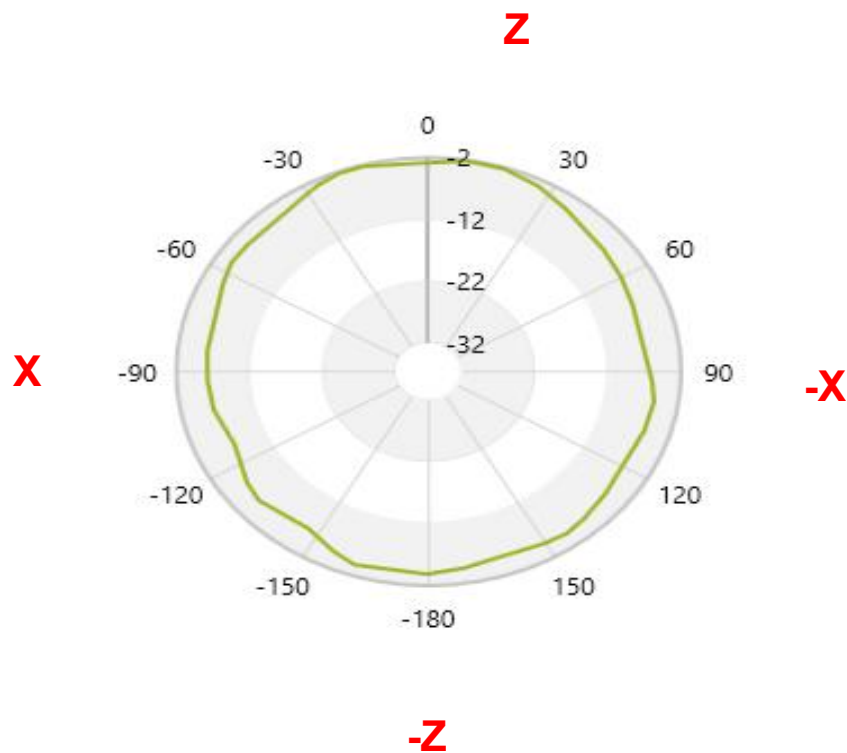
Ant		
Frequency(MHz)	Efficiency	Total Gain(dBi)
2400	39%	-0.62
2410	40%	-0.7
2420	39%	-0.83
2430	38%	-0.92
2440	37%	-1.2
2450	36%	-1.51
2460	35%	-1.82
2470	35%	-2.01
2480	34%	-1.7
2490	33%	-1.68
2500	32%	-1.72



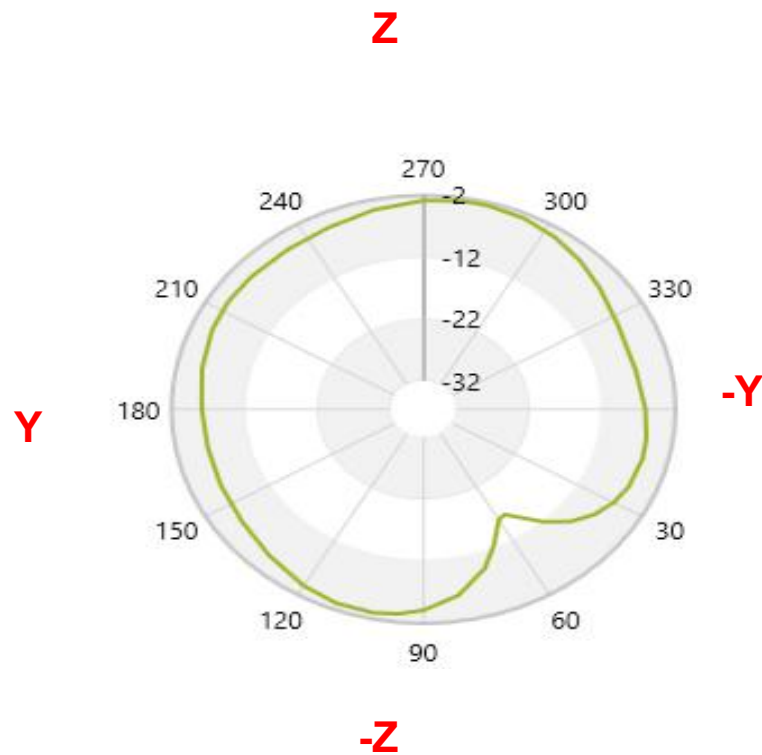
3D Peak Gain & Efficiency List Table



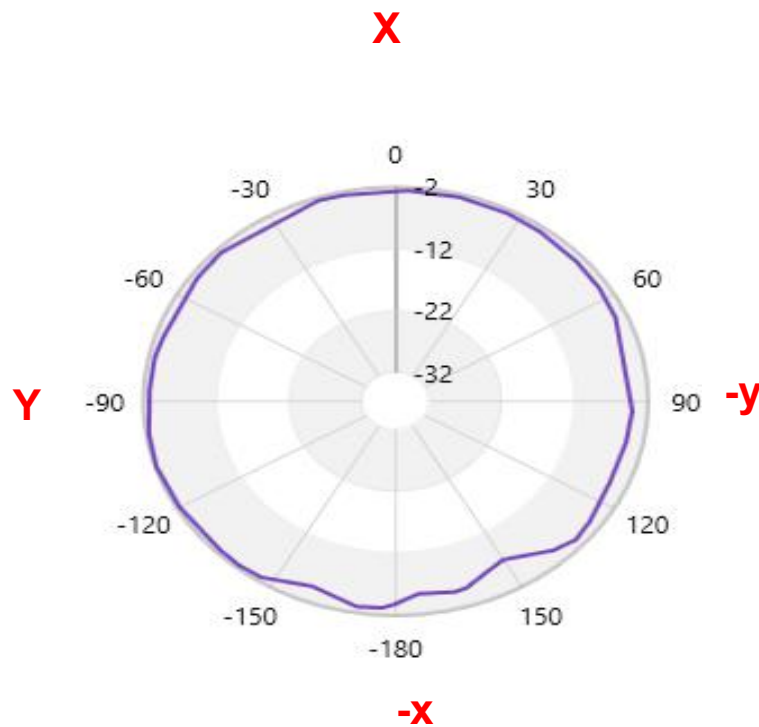
2D Gain Pattern Antenna _ZX Cut($\Phi=0$)



2D Gain Pattern Antenna _ZY Cut(Phi=90)



2D Gain Pattern Antenna _XY Cut(Theta=90)





CHILISIN ELECTRONICS CORP.
Total Solution Provider for Power, EMI and RF.



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Thank you!

