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东莞市安特通信有限公司

Rtant Communications Co., Ltd

天线调试&测试报告

Antenna Commissioning & Test Report

Customer: Sanjiang

Project项目: N2X

Antenna Engineer: Hunan
Li

Date: 2024-3-22

Version: V1.0

Project Principal: Jiang Lei
15899911229



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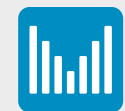
七. Contact



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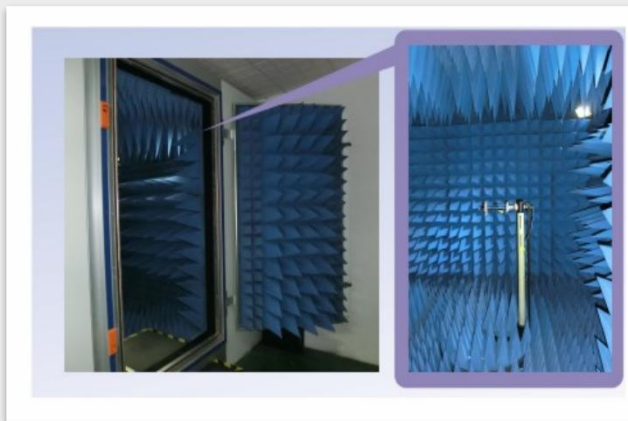


Whole Device Type				
Antenna Type and Frequency Info	Antenna Type	Frequency Info	Antenna Modality	Matching Modify
	WIFI	2400-2500MHz/5150-5850MHz	FPC	No
Anetenna Specification	φ0.8 Black L=50MM Secondary Terminal +conductive foam			
Anetenna Material				



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Laboratory
Testing
Enviroment
Equiment



测试项目	测试设备
S11、S12 、 VSWR 、 LOSS	Network Analyzer E5071B 、 E8753D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16Darkroom、 Top 10 7*4*3darkroom in Taiwan、 E5071B 、 Second generation head
TRP、 TIS	Satimo SG16Darkroom、 Top 10 darkroom in Taiwan、 CMW500 、 Second generation head

Remark: The debug and testing machine for this project markes in blue.

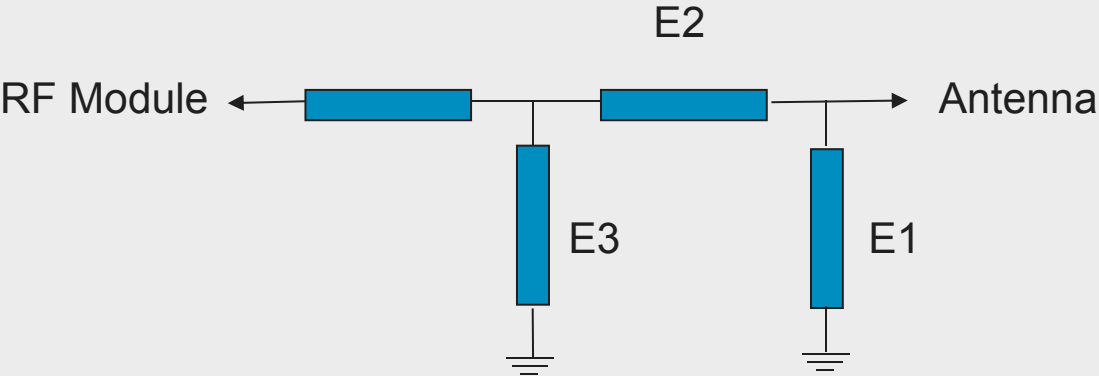


Antenna

Matching
Schematic



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	Element	Value
	E1	No
	E2	No
	E3	No

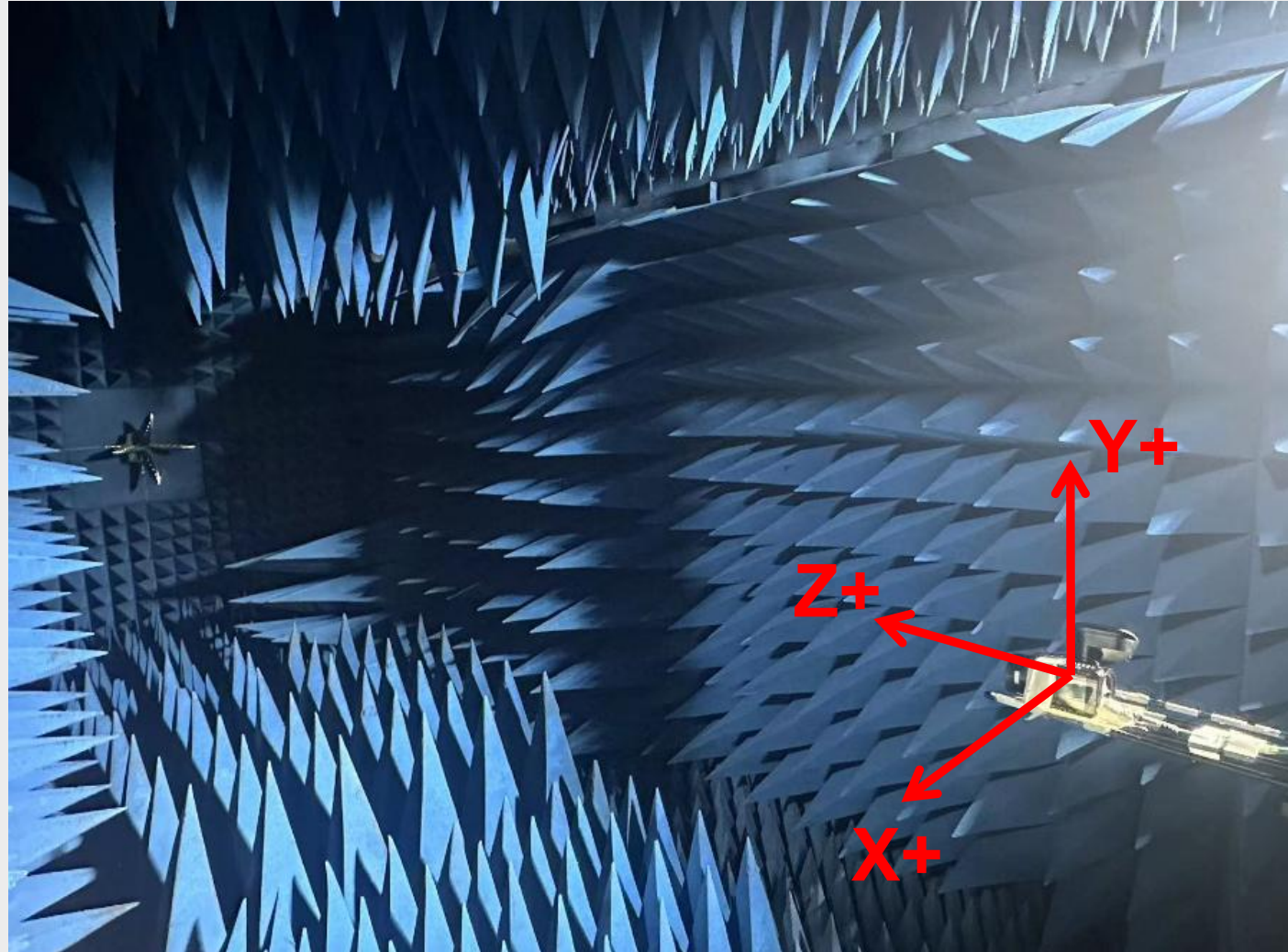


Darkroom
Coordinate
Marking

四. Darkroom Coordinate Marking



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五. Antenna Placement

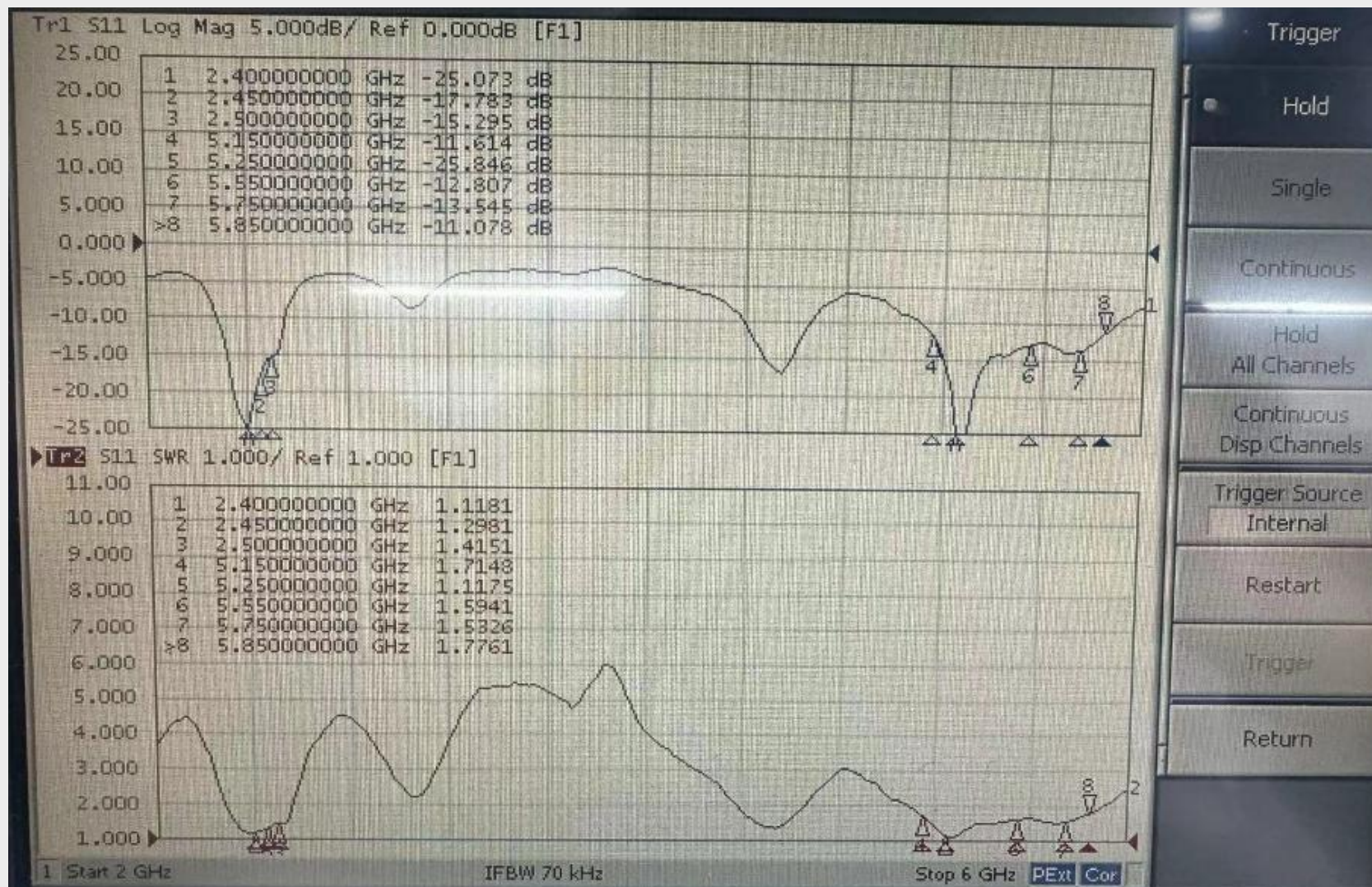


六. Passive Data

R-LOSS.VSWR



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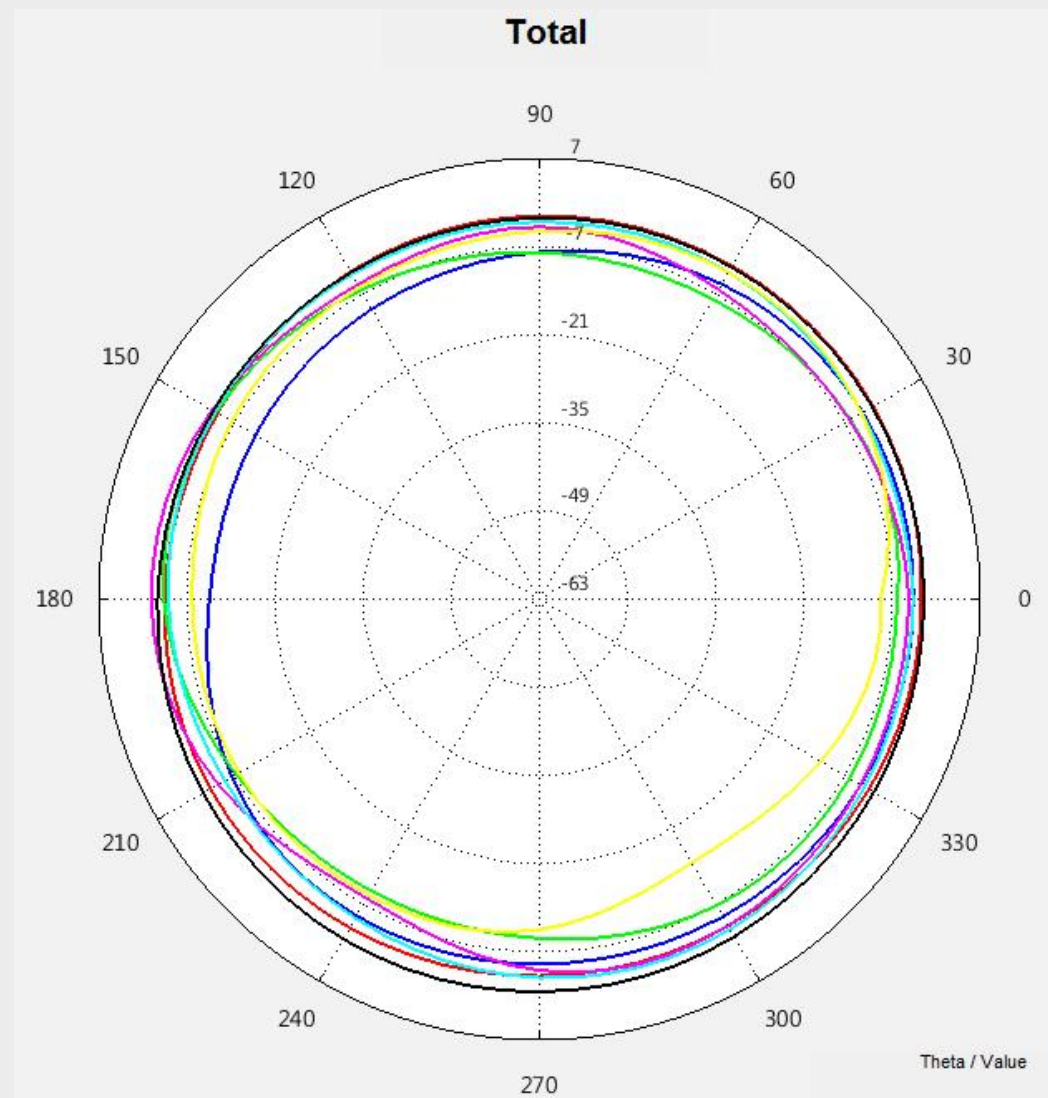
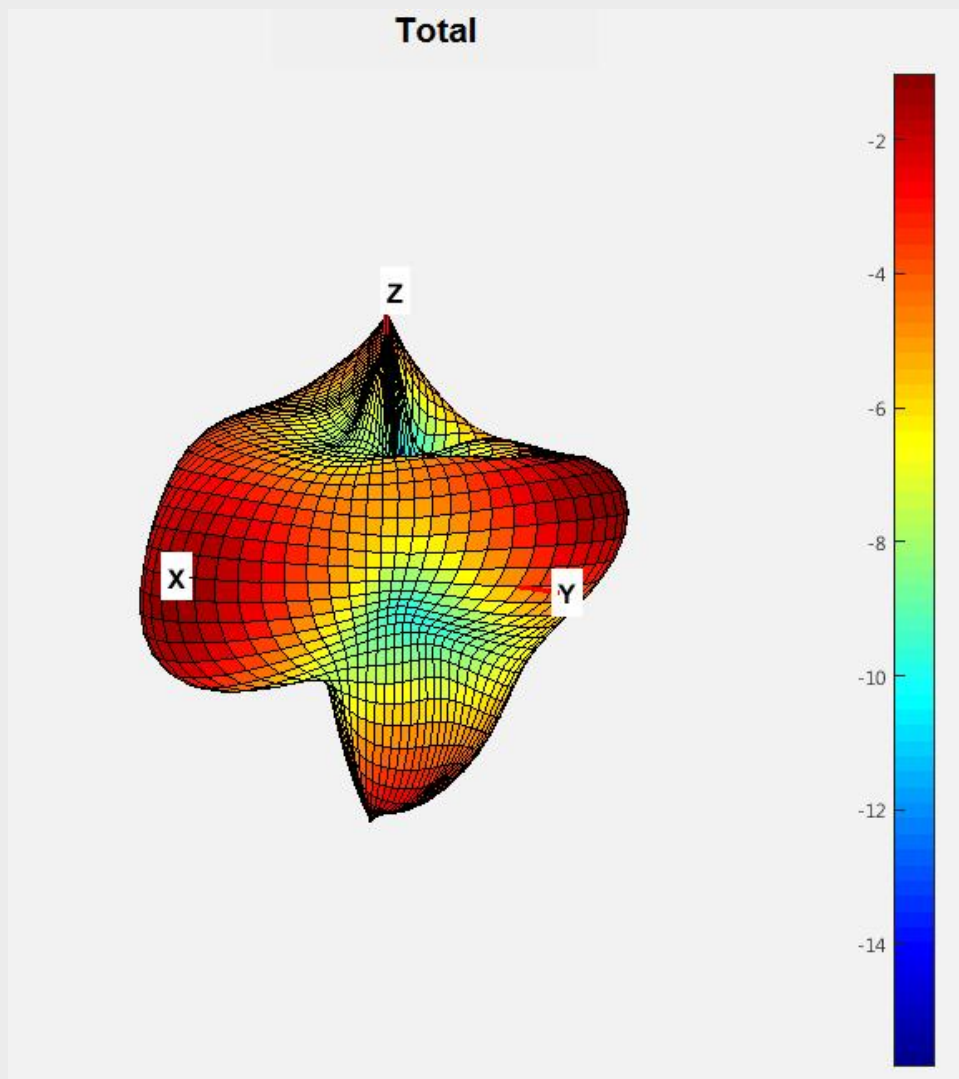


Effi / Gain

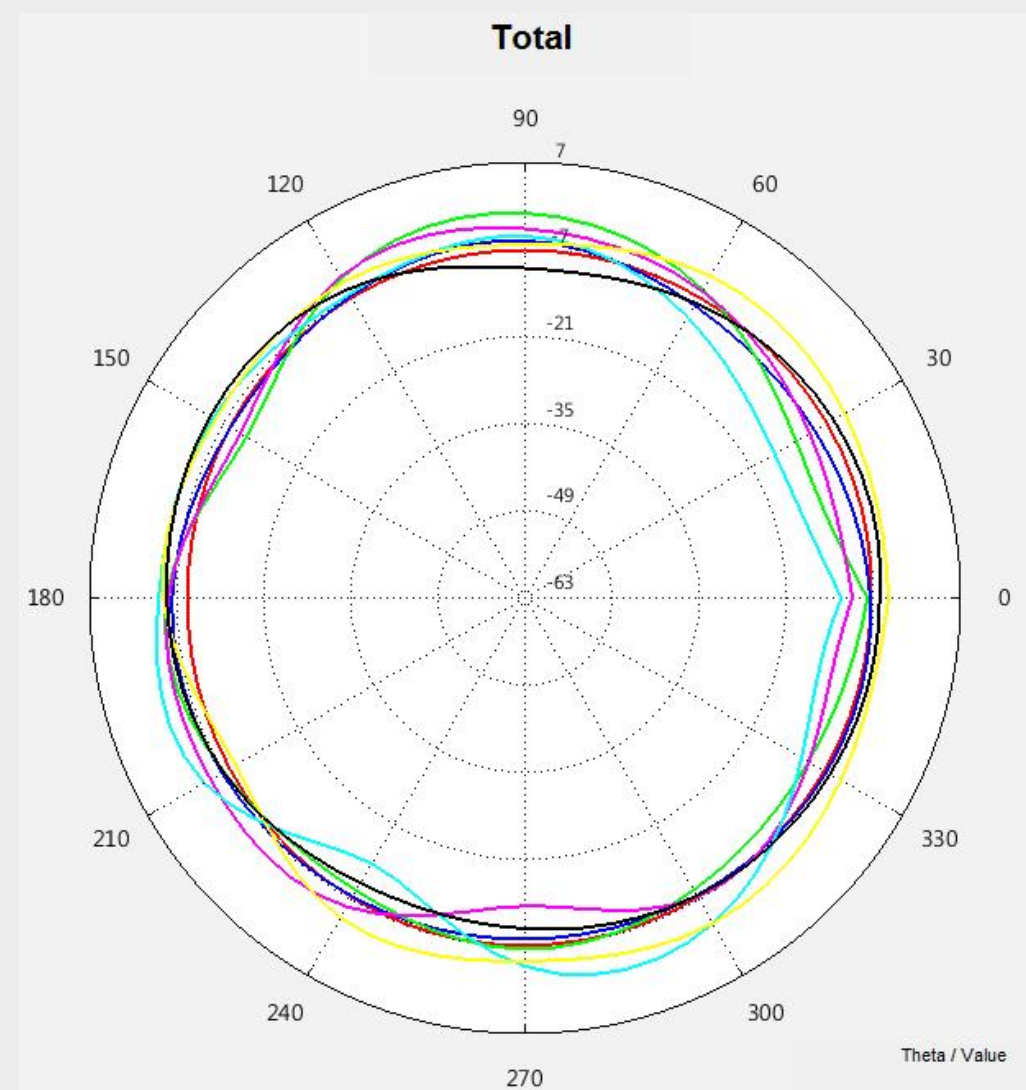
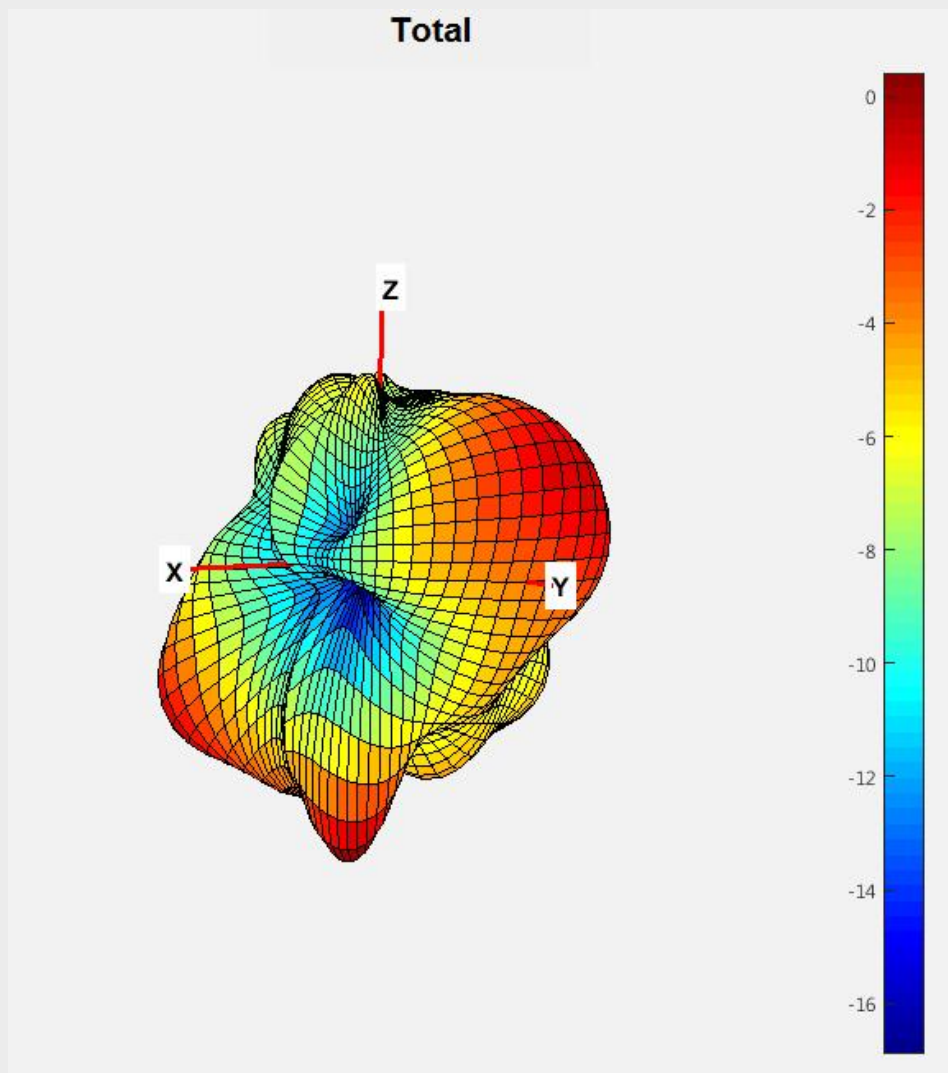


Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	42.63	0.98	5.15GHz	44.31	1.48
2.41GHz	43.42	0.79	5.2GHz	45.05	1.74
2.42GHz	44.71	0.61	5.25GHz	42.92	1.35
2.43GHz	45.22	0.73	5.3GHz	43.94	1.29
2.44GHz	45.01	0.9	5.35GHz	44.47	0.88
2.45GHz	46.02	0.88	5.4GHz	43.47	0.4
2.46GHz	46.74	0.93	5.45GHz	42.6	0.57
2.47GHz	45.16	0.86	5.5GHz	43.59	0.77
2.48GHz	44.05	0.6	5.55GHz	45.92	1.02
2.49GHz	44.96	0.54	5.6GHz	47.93	0.92
2.5GHz	43.99	0.29	5.65GHz	45.57	0.65
			5.7GHz	48.6	0.84
			5.75GHz	45.96	1.13
			5.8GHz	46.35	0.82
			5.85GHz	43.61	0.76

Apple Picture (2450MHz)



Apple Picture (5500MHz)



Contact Info

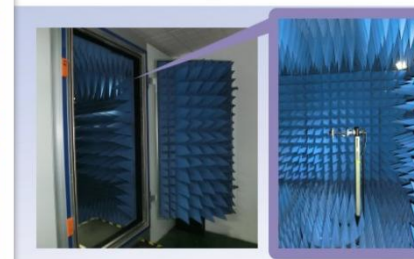
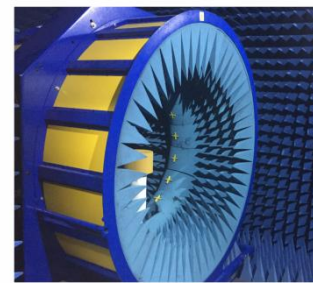


成立
11年

专注
无线

设计
研发

制造



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Thank you for your trust in Rtant