



RTANT

东莞市安特通信有限公司

Rtant Communications Co., Ltd

天线规格书

Antenna specification sheet

客户customer : RGE

型号model : RM180

天线工程师Antenna Engineer : 李湖南 Li Hunan

日期date : 2024-9-29

版本version : V1.0

项目负责人project leader : 姜磊Jiang lei 15899911229



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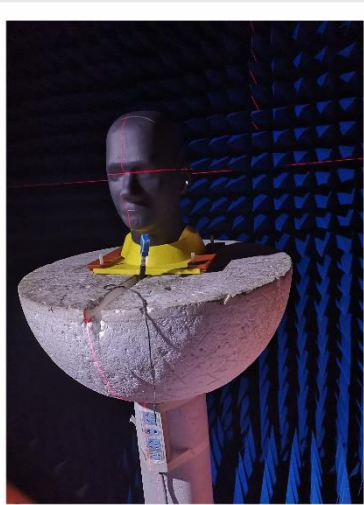
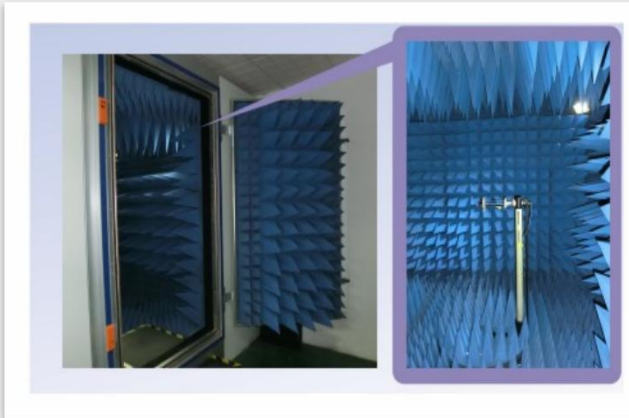
Antenna type and frequency band information	Antenna Type	Frequency band information	antenna form	Match changes
	2.4G	2400-2500MHz	Onboard	NA



Laboratory
testing
environment
and
equipment



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Test project	Test equipment
S11、 S12 、 VSWR 、 LOSS	network analyzer : E5071B、 E8753D
Efficiency、 Gain、 3D Radiation Pattern	Satimo SG16 (darkroom) 、 Top 10 of 7 * 4 * 3 darkrooms in Taiwan 、 E5071B、 Second generation head
TRP、 TIS	Satimo SG16 (darkroom) 、 darkrooms 、 CMW500 、 Second generation head

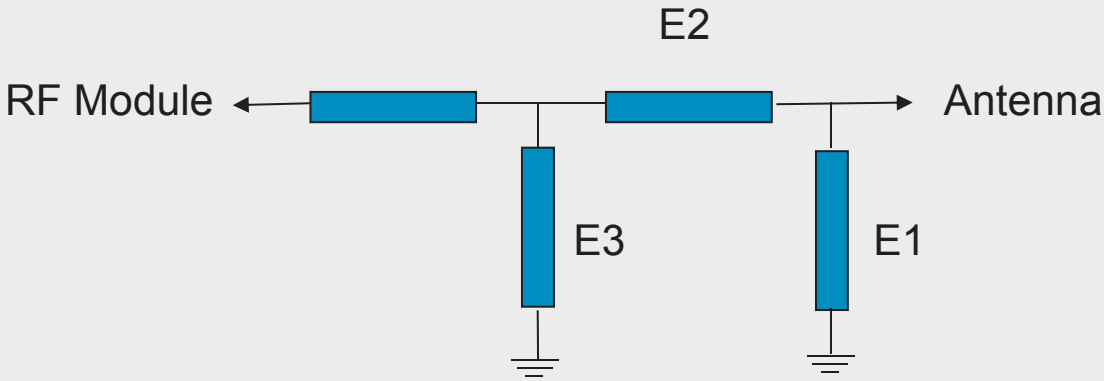
Note: The equipment used for debugging and testing in this project is marked in blue



Antenna
matching
circuit



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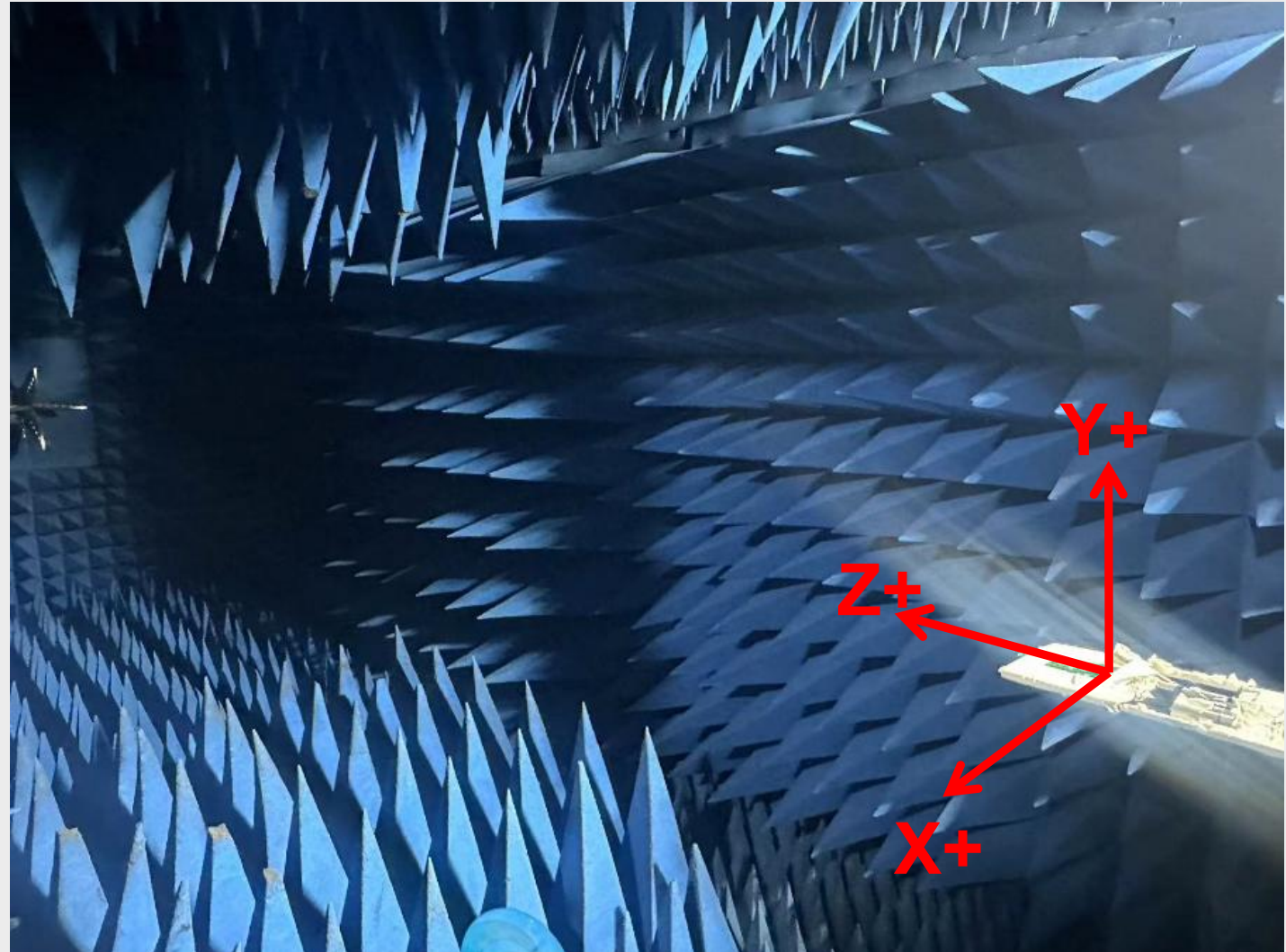
	Element	Value
	E1	NA
	E2	0Ω
	E3	NA



四. Coordinate marking of darkroom



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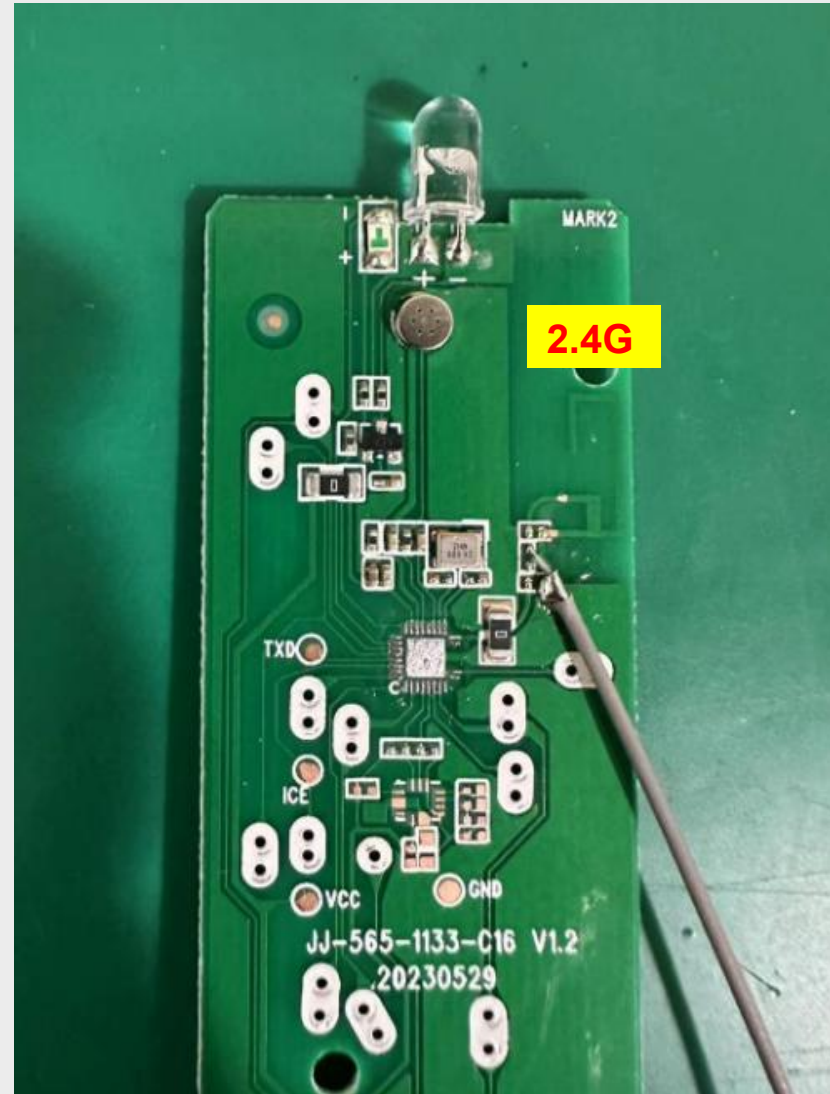


五. Antenna placement position



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Antenna
placement
position





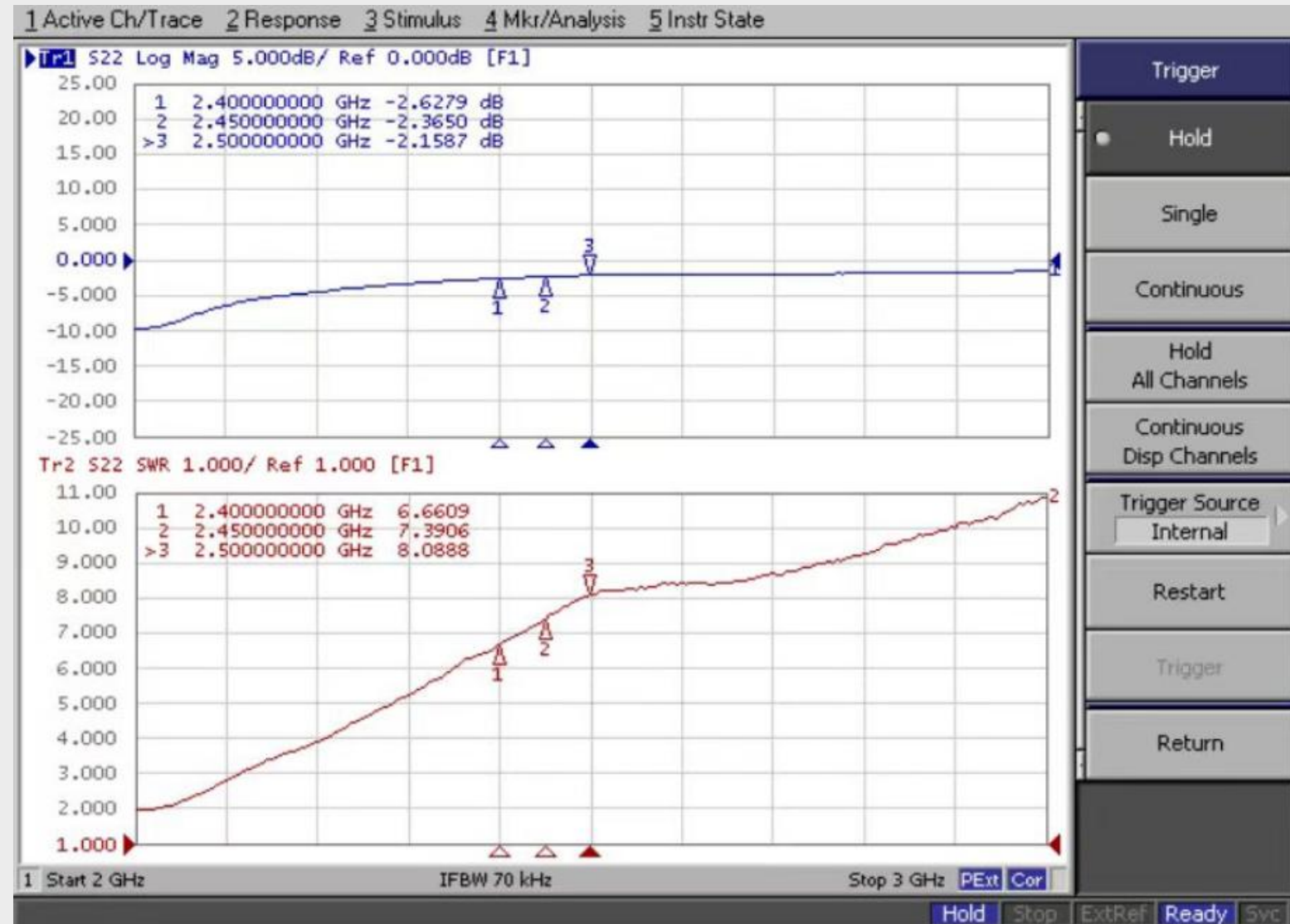
六. Passive data

Passive
data

R-LOSS.VSWR



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Passive

data

Effi / Gain



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Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	8.7	-4.36
2.41GHz	8.42	-4.37
2.42GHz	7.59	-4.67
2.43GHz	7.4	-5.14
2.44GHz	7.67	-5.41
2.45GHz	7.19	-5.39
2.46GHz	6.72	-5.44
2.47GHz	6.53	-5.51
2.48GHz	6.41	-5.59
2.49GHz	5.84	-5.63
2.5GHz	5.66	-5.96

contact information

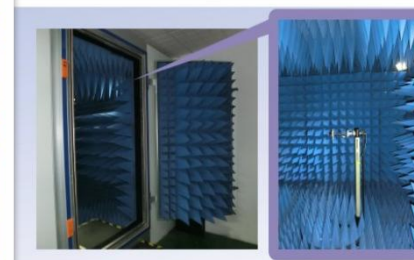
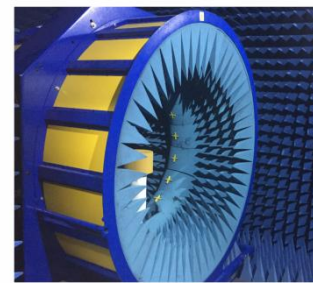


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Thank you for your trust in Rtant