

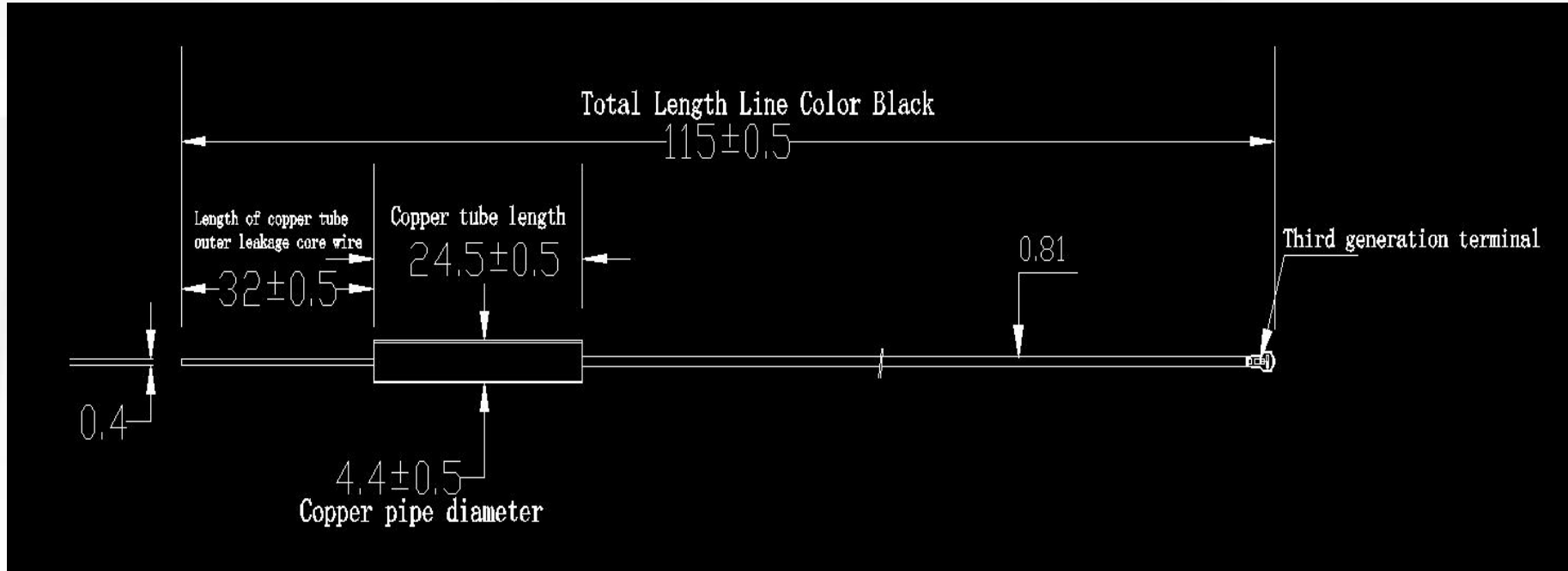


Shenzhen Kaipushen Communication
Technology Co., Ltd

Antenna Commissioning Specification

Connection: LvLian
Project: CM656
RF: Pang Hui
Date: 2023.03.13
Edition: 01

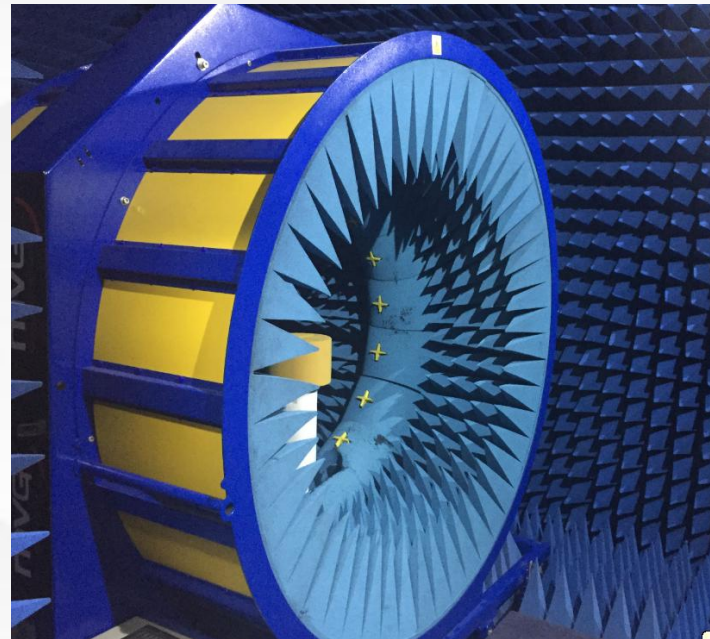
Antenna size (Unit: mm)





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Laboratory test environment and equipment



Test items	Test equipment
S11、S12、VSWR、LOSS	Network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16darkroom、GP7*4*3darkroom、E5071B
TRP、TIS	Satimo SG16darkroom、GP7*4*3darkroom、8960、CMW500、MT8820C、E4438C、



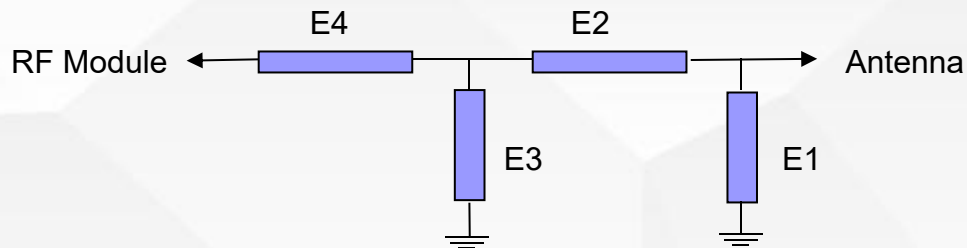
Introduction to Project Commissioning

Type of complete machine	outlay				
	antenna	working frequency	Antenna form	Maximum gain (dBi)	Whether the match is changed
Antenna type and frequency band information	BT	2400MHZ-2480MHZ	Bipolar	1.8	YES
Antenna material	External rubber rod				

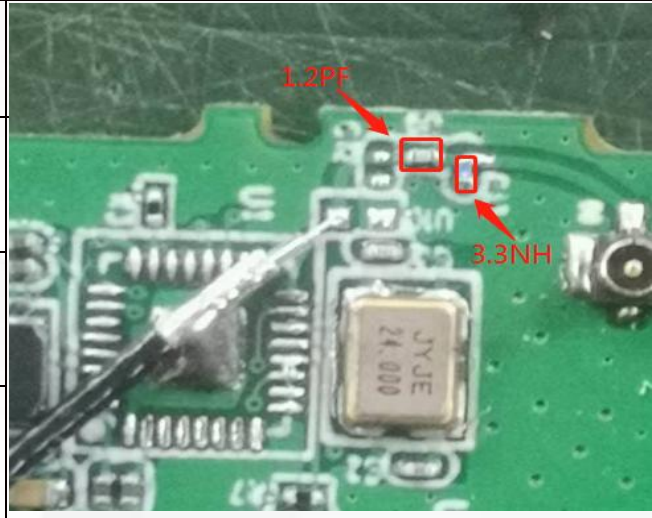


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Antenna matching circuit



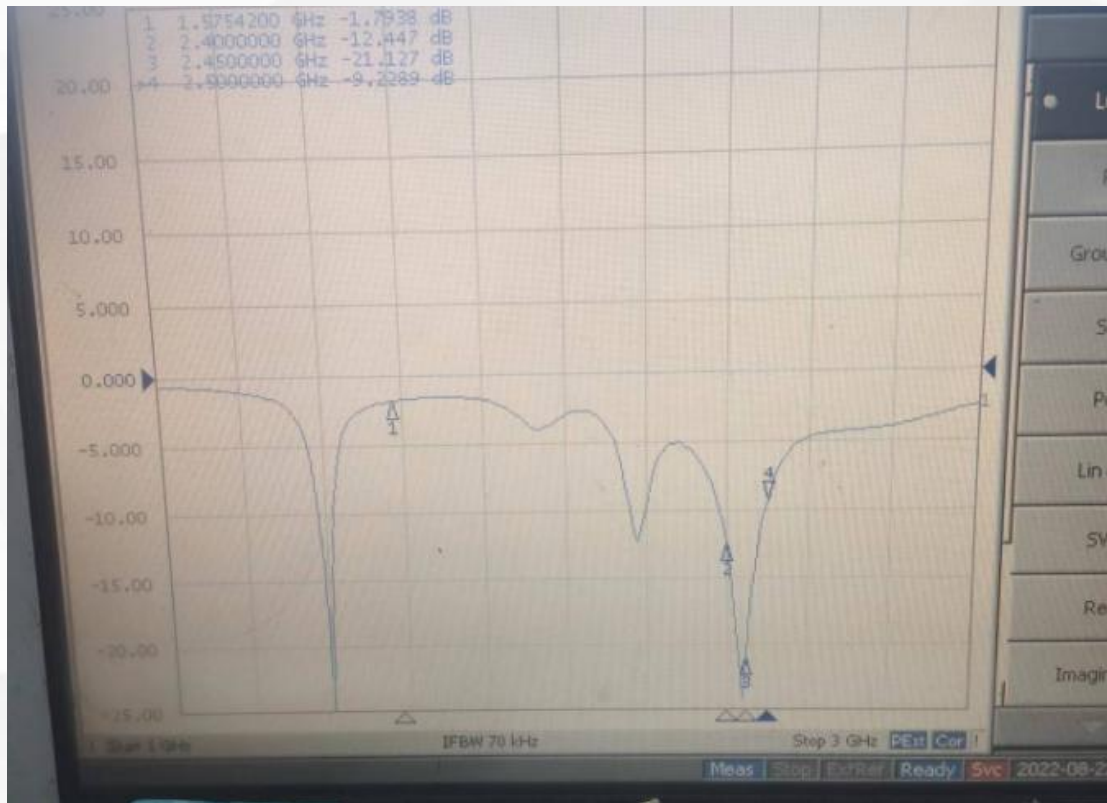
	Element	Value
Main antenna	E1(0201)	3.3NH
	E2(0201)	1.2PF
	E3(0201)	
	E4(0201)	





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S11





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Antenna matching plate efficiency

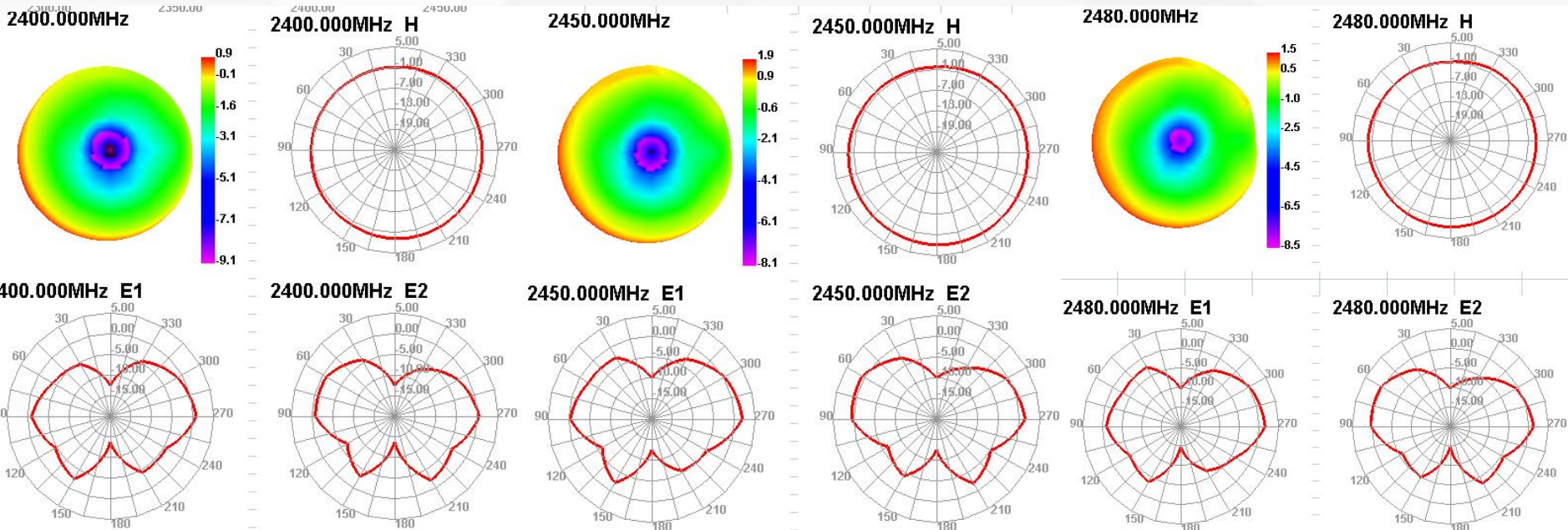
Passive Test For WIFI2.4			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.54	-2.04	1.13
2410	63.93	-1.94	1.32
2420	64.15	-1.93	1.31
2430	66.74	-1.76	1.55
2440	71.56	-1.45	1.78
2450	73.94	-1.31	1.88
2460	70.93	-1.49	1.64
2470	70.47	-1.52	1.59
2480	68.23	-1.66	1.54
2490	66.13	-1.8	1.55
2500	67.55	-1.7	1.5





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Antenna passive pattern





contact information

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THE END

**Thank you for your
valuable comments !**