

Antenna Test Report

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Project Name: H4
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Update: 2020-11-25

项目概况

OverView

CUSTOMER NAME	华创恒达	PROJECT NAME	H4
Items		Details	
• FREQUENCY		2.4-2.5GHz	
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE		PCB Antenna	
• PCB			
• OTHERS			

历史报告记录

Revision History

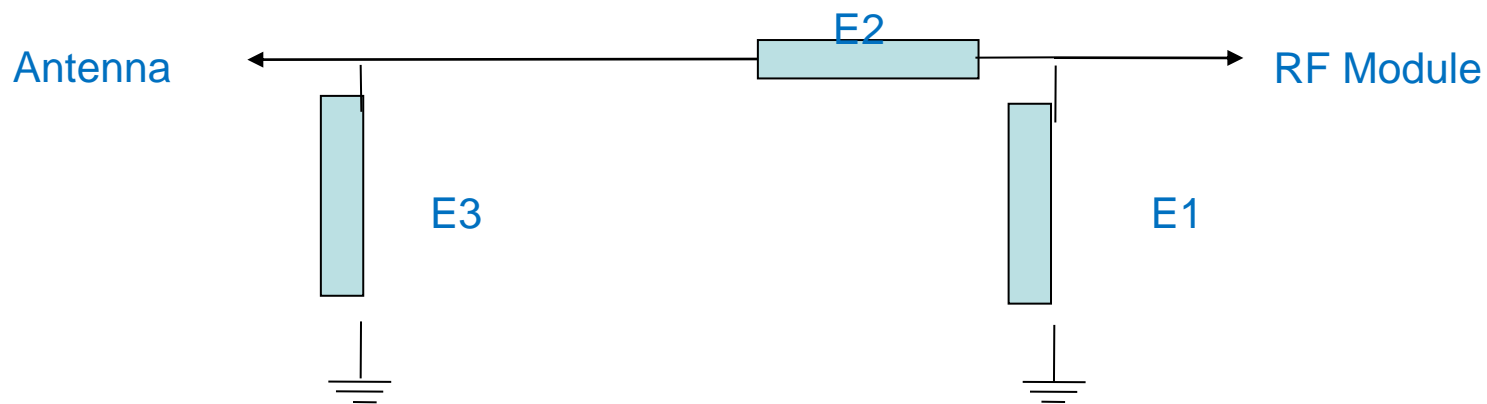
日期(Date)	版本 (Revision)	负责人(Author)	更改原因(Description of changes)

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	



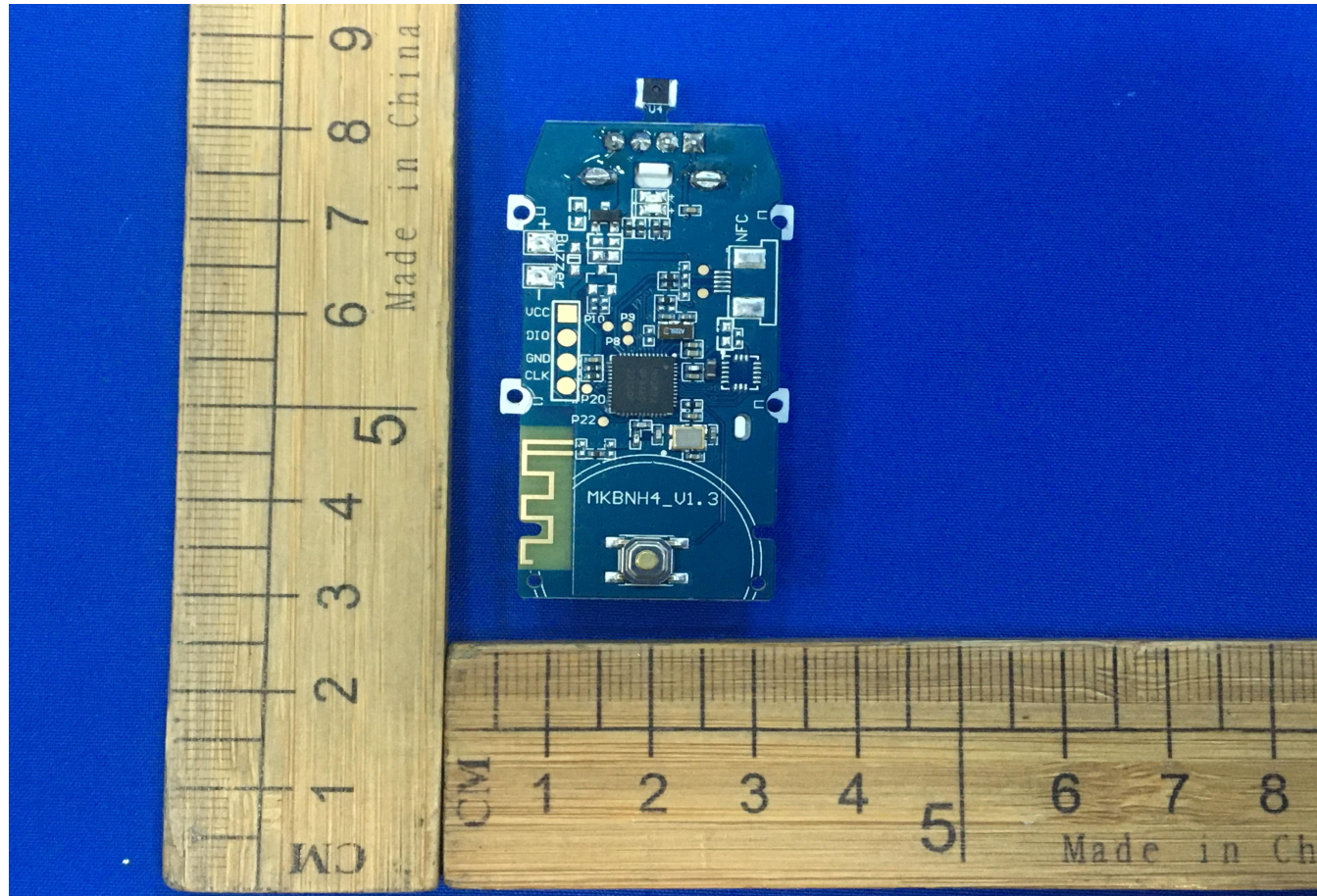
Matching Circuit



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

2020/11/25

Physical Antenna



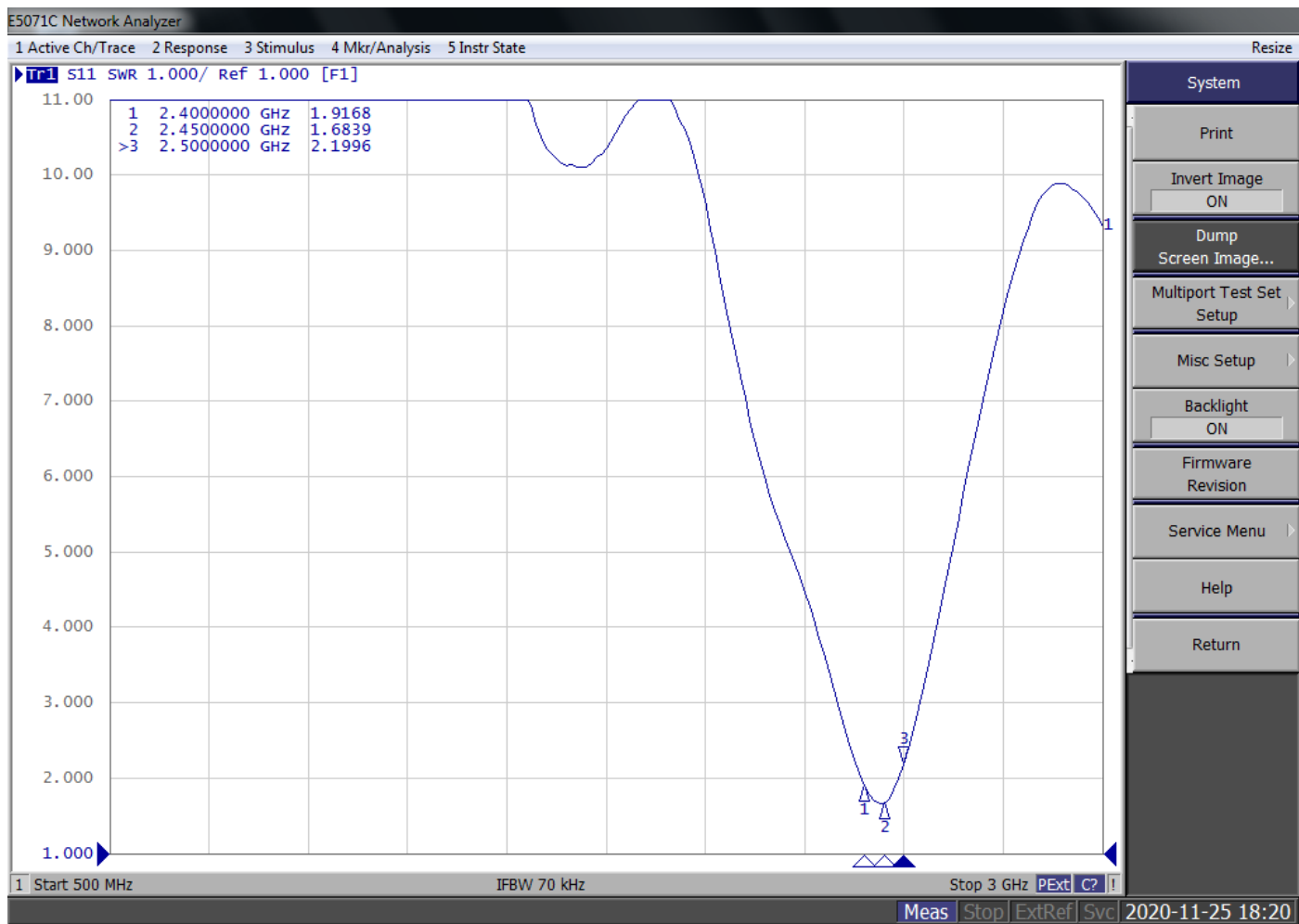
2020/11/25

暗室测试摆放/Darkroom test placement



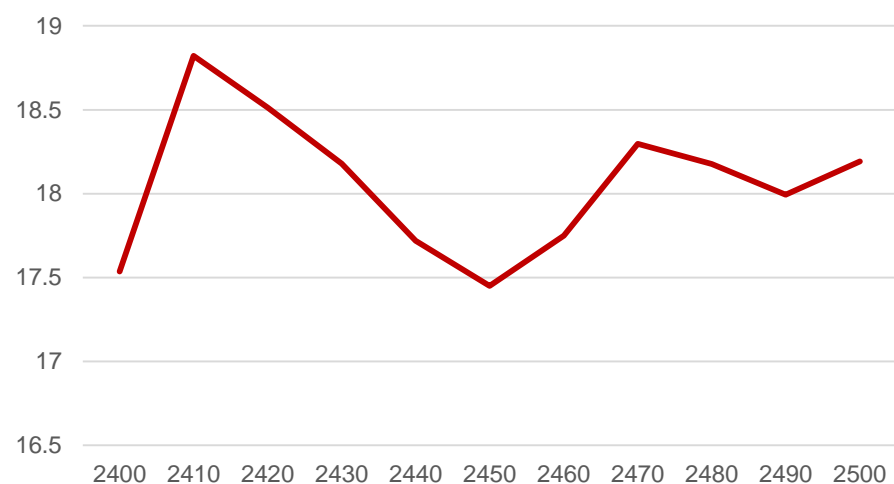
2020/11/25

VSWR

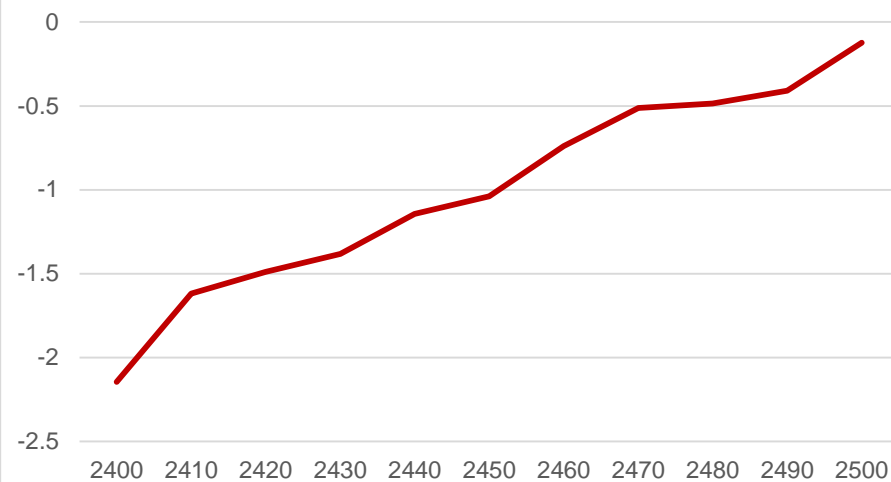


PASSIVE TEST (天线效率及增益)

效率

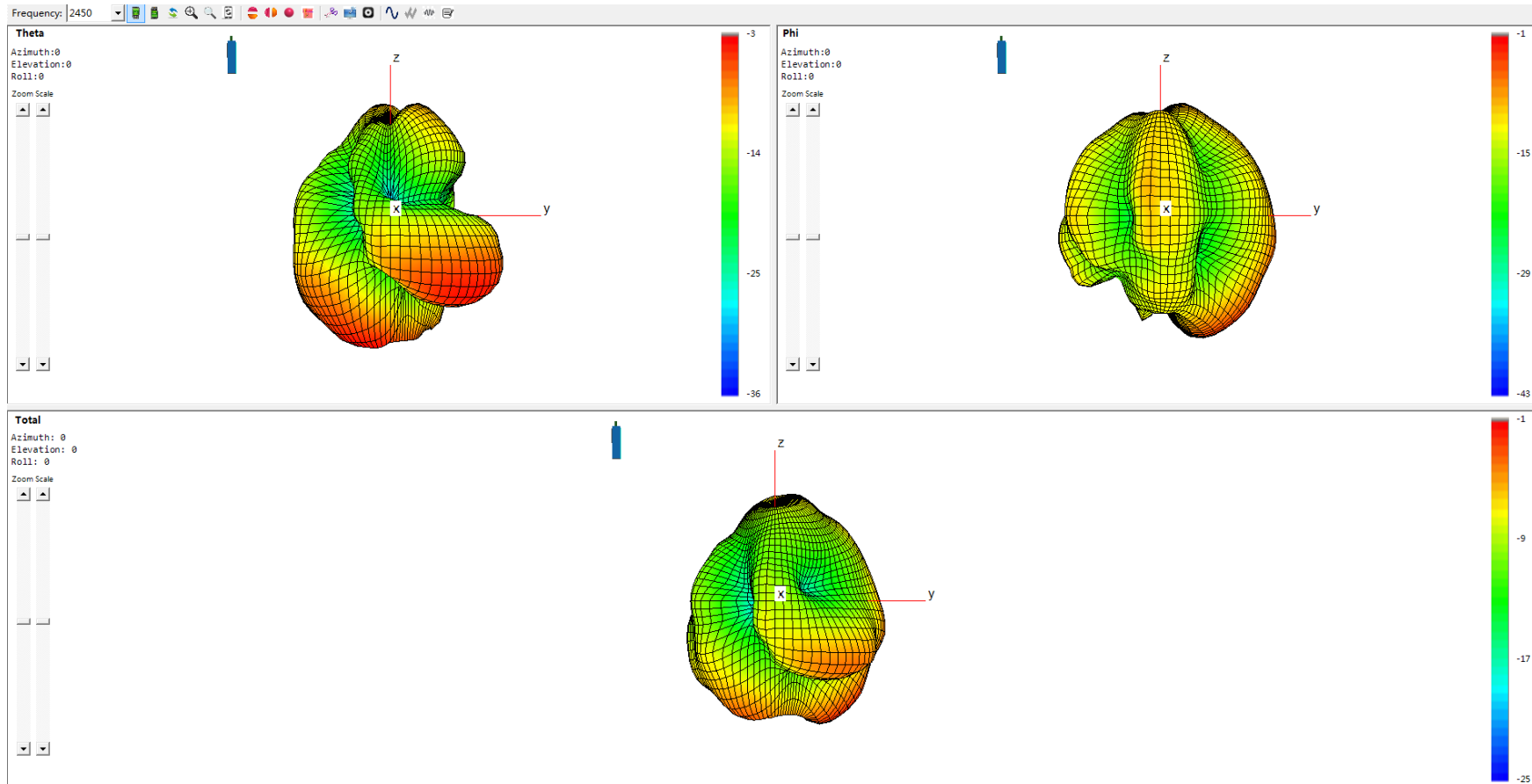


增益



Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-2.15	-1.62	-1.49	-1.38	-1.14	-1.04	-0.74	-0.51	-0.48	-0.41	-0.10
Efficiency (%)	17.54	18.82	18.51	18.18	17.72	17.45	17.75	18.30	18.18	17.99	18.19

3D Antenna Radiation Pattern



2D Antenna Radiation Pattern

