

Antenna Test Report

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Project Name: W6

Author: 杨永成

Update: 2021-05-22

项目概况 OverView

CUSTOMER NAME	华创恒达	PROJECT NAME	W6
Items		Details	
• FREQUENCY		2400MHz-2500MHz	
• Manufacturer's		MOKO TECHNOLOGY Ltd	
• M/N:		W6	
• Address		Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street, Longhua, Shenzhen, China 518110	
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

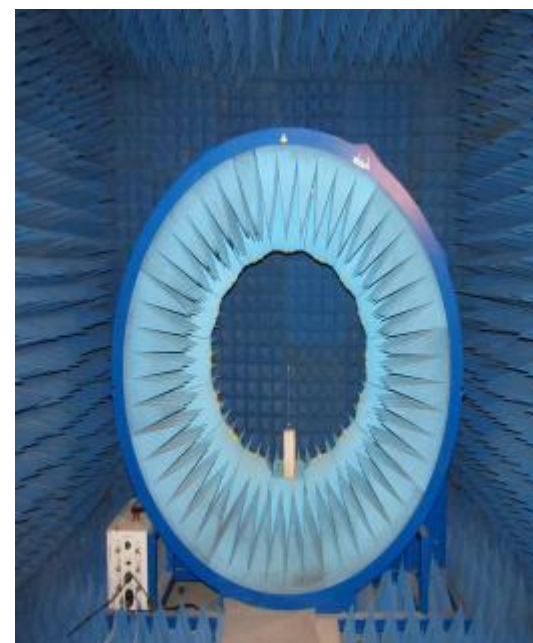
历史报告记录

Revision History

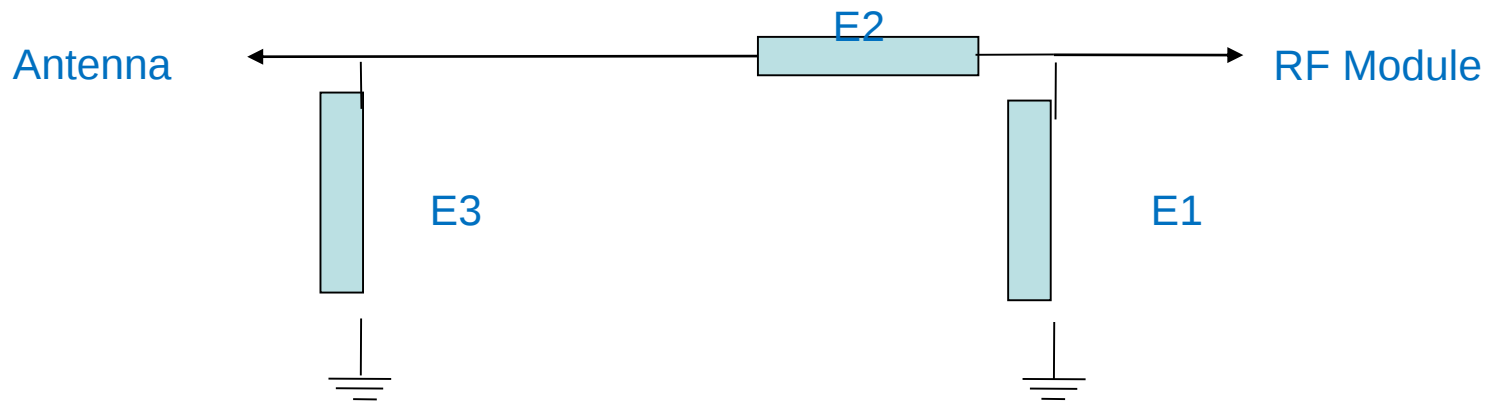
日期(Date)	版本 (Revision)	负责人(Author)	更改原因(Description of changes)
202010520	A	杨永成	天线无源测试报告
20201022	B	杨永成	新主板

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

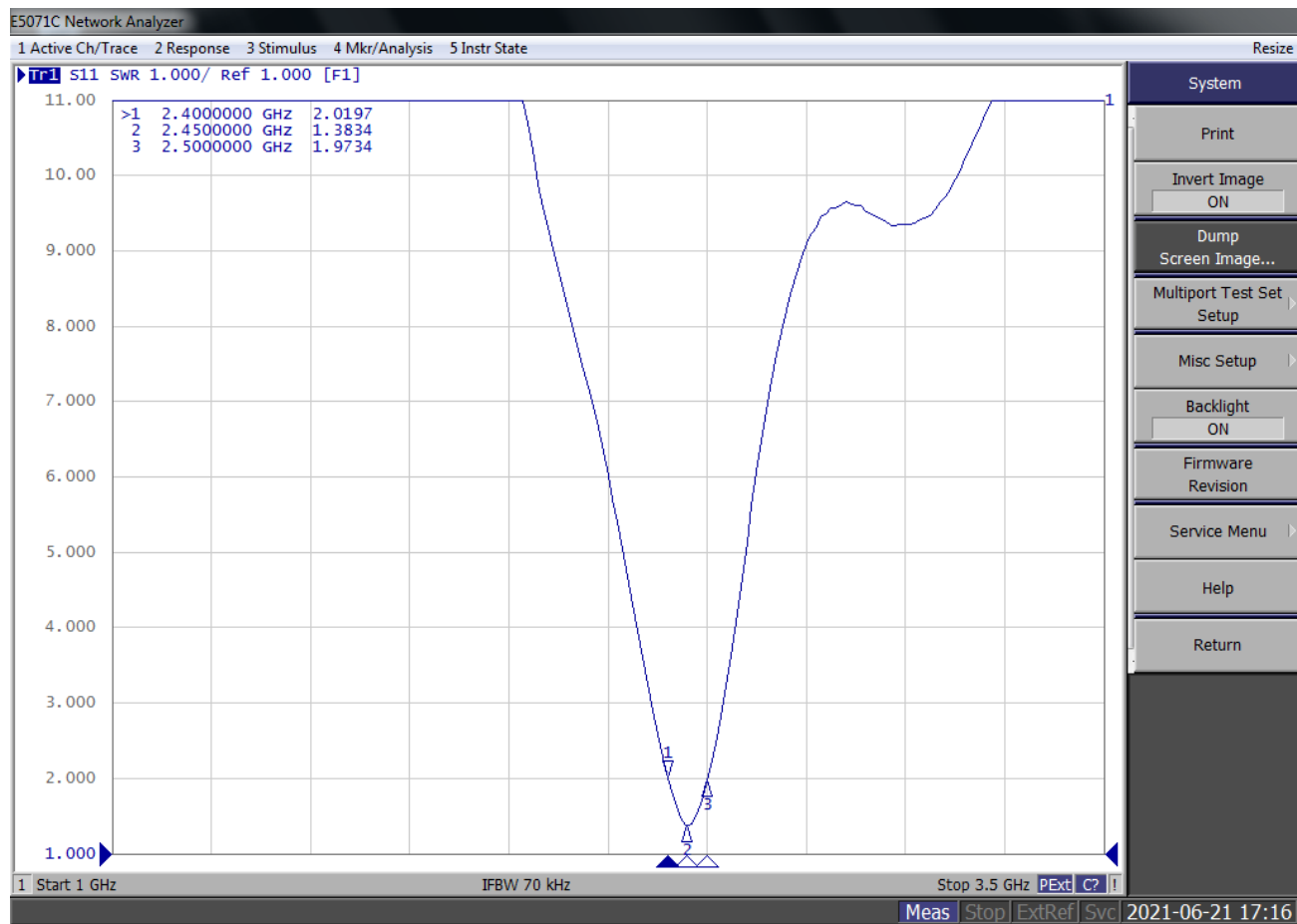
2021/6/22

天线



2021/6/22

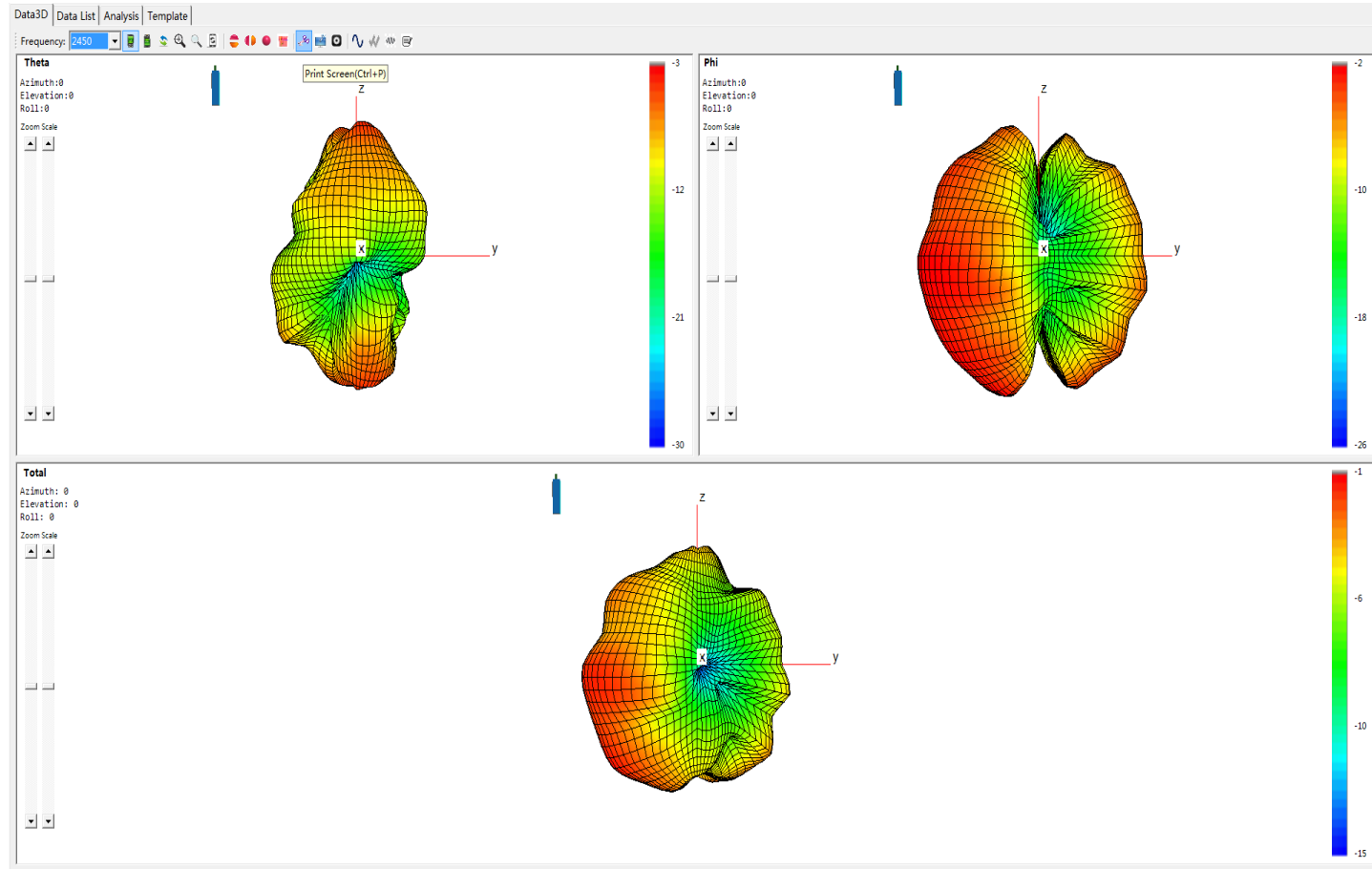
VSWR



PASSIVE TEST（天线效率及增益）

Freq (Mhz)	Gain (dB)	Effi (%)
2400	-1.24	28.75
2410	-1.15	31.57
2420	-1.25	31.72
2430	-1.14	31.83
2440	-1.11	31.47
2450	-1.16	31.21
2460	-1.16	32.08
2470	-0.88	33.20
2480	-0.52	33.11
2490	-0.47	32.86
2500	-0.59	33.15

3D Antenna Radiation Pattern (2450MHz)



2D Antenna Radiation Pattern (2450MHz)

