

GBT-915

915MHz Spring Antenna

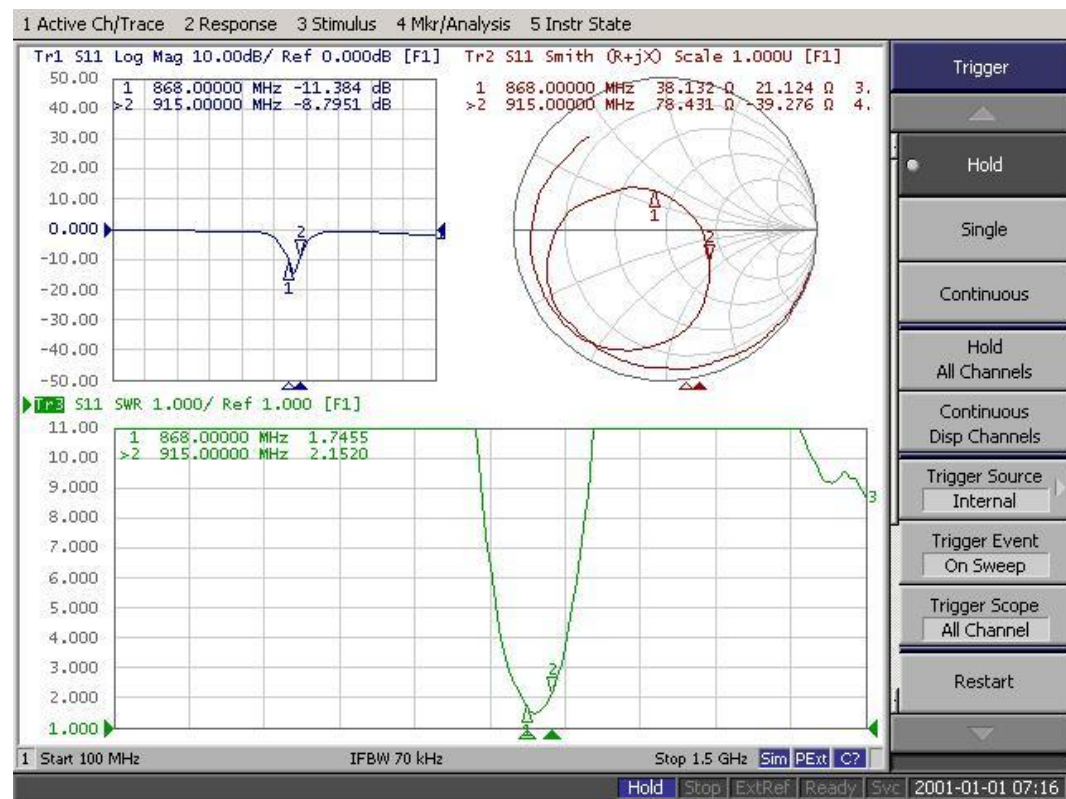
Specifications

Manufacturer: MOKO TECHNOLOGY Ltd
Address: Factory 201, 107 Pinshun Rd Guixiang community, Guanlan Street,
Longhua, Shenzhen, China 518110
M/N: MKL110BC

Maximum antenna gain : -2.1dbi

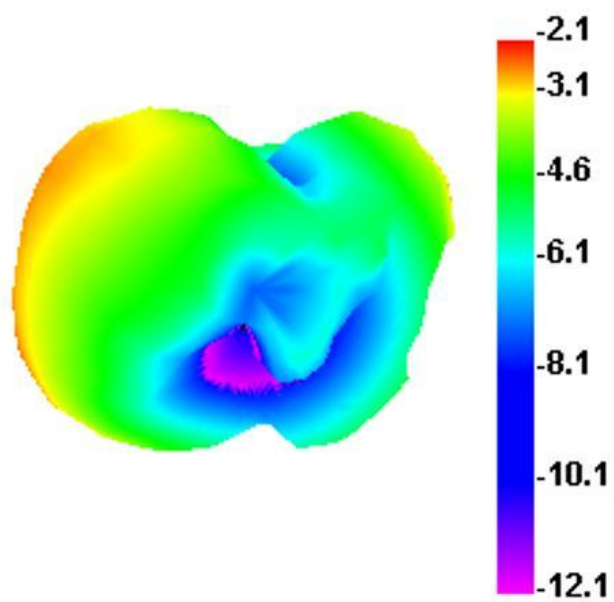
四、VSWR、Radiation Pattern

VSWR (电压驻波比)



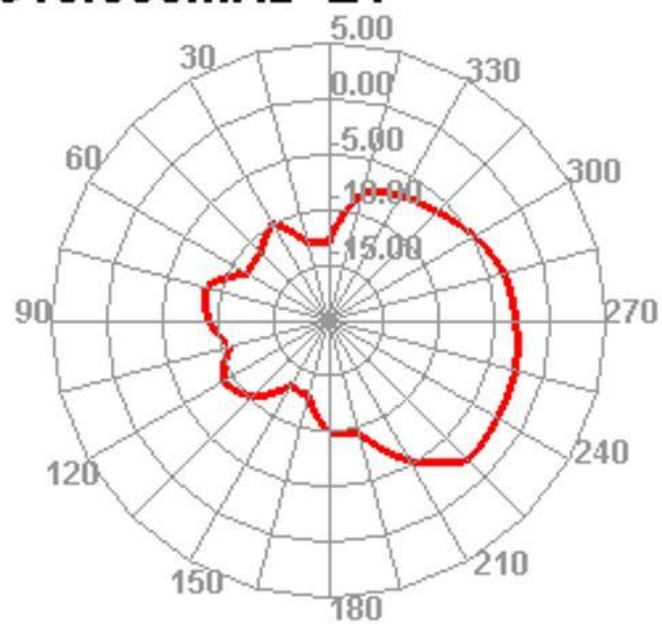
Radiation Pattern For 915MHZ Antenna

915.000MHz



Radiation Pattern For 915MHz Antenna

915.000MHz E1



Antenna Test Report

Index:

1. Overview
2. Revision History
3. Test Item & Equipment
4. Matching Circuit
5. S Parameter Test
6. Active Test
7. Conducted Emission Test
8. Environmental Processing

Project Name: M4

Author: YangYongCheng

Update: 2022-10-26

OverView

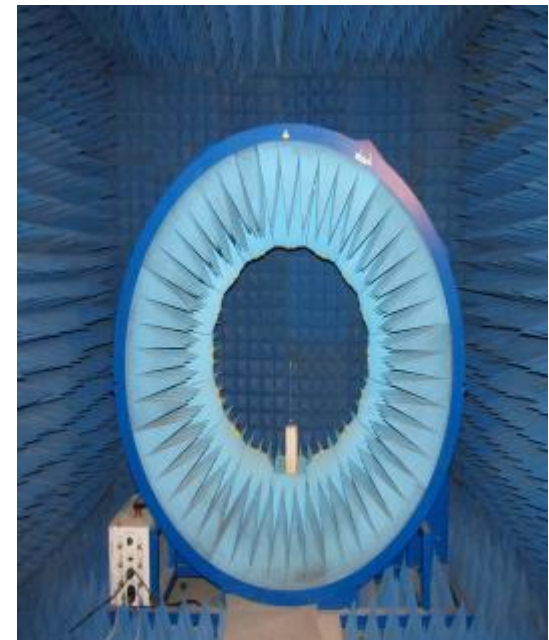
CUSTOMER NAME	MOKO TECHNOLOGY LIMITED	PROJECT NAME	M4
Items		Details	
• FREQUENCY		2400MHz-2500MHz	
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

Revision History

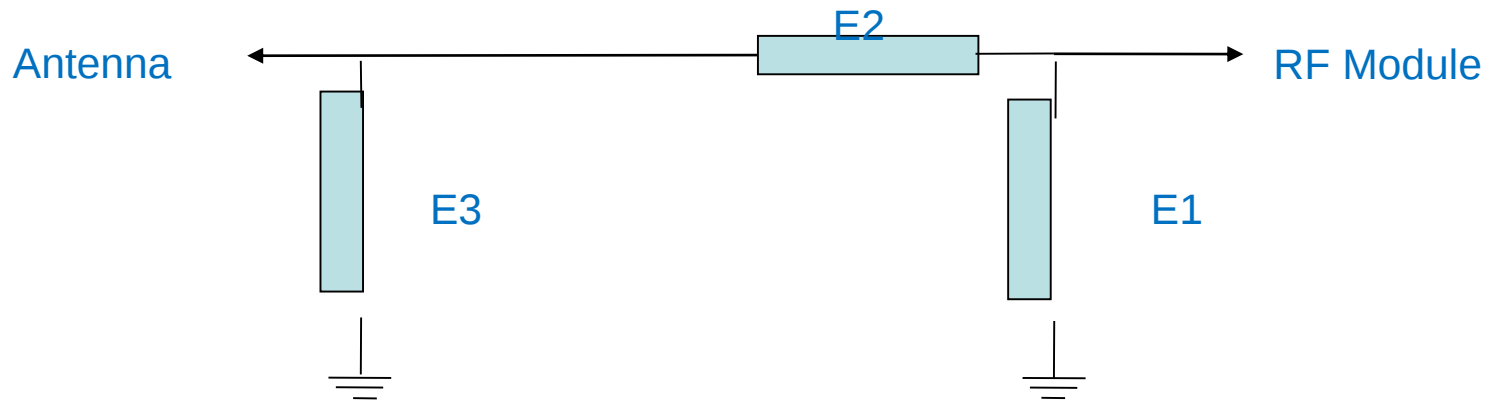
Date	Revision	Author	Description of changes
20221026	A	YangYongCheng	Passive Antenna Test

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



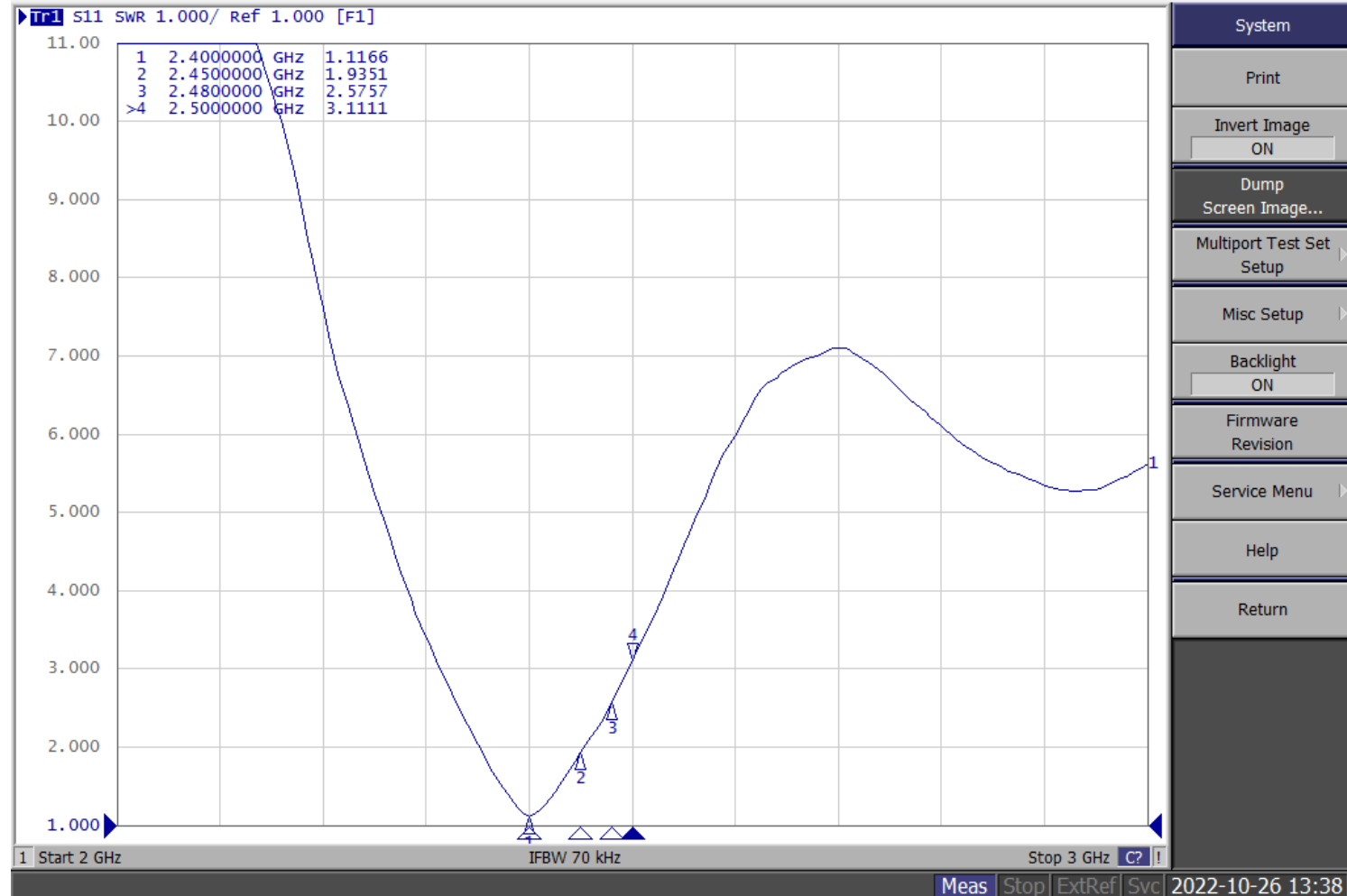
Element	Value
E1(0402)	NC
E2(0402)	0Ω
E3(0402)	NC

Antenna

VSWR

E5071C Network Analyzer

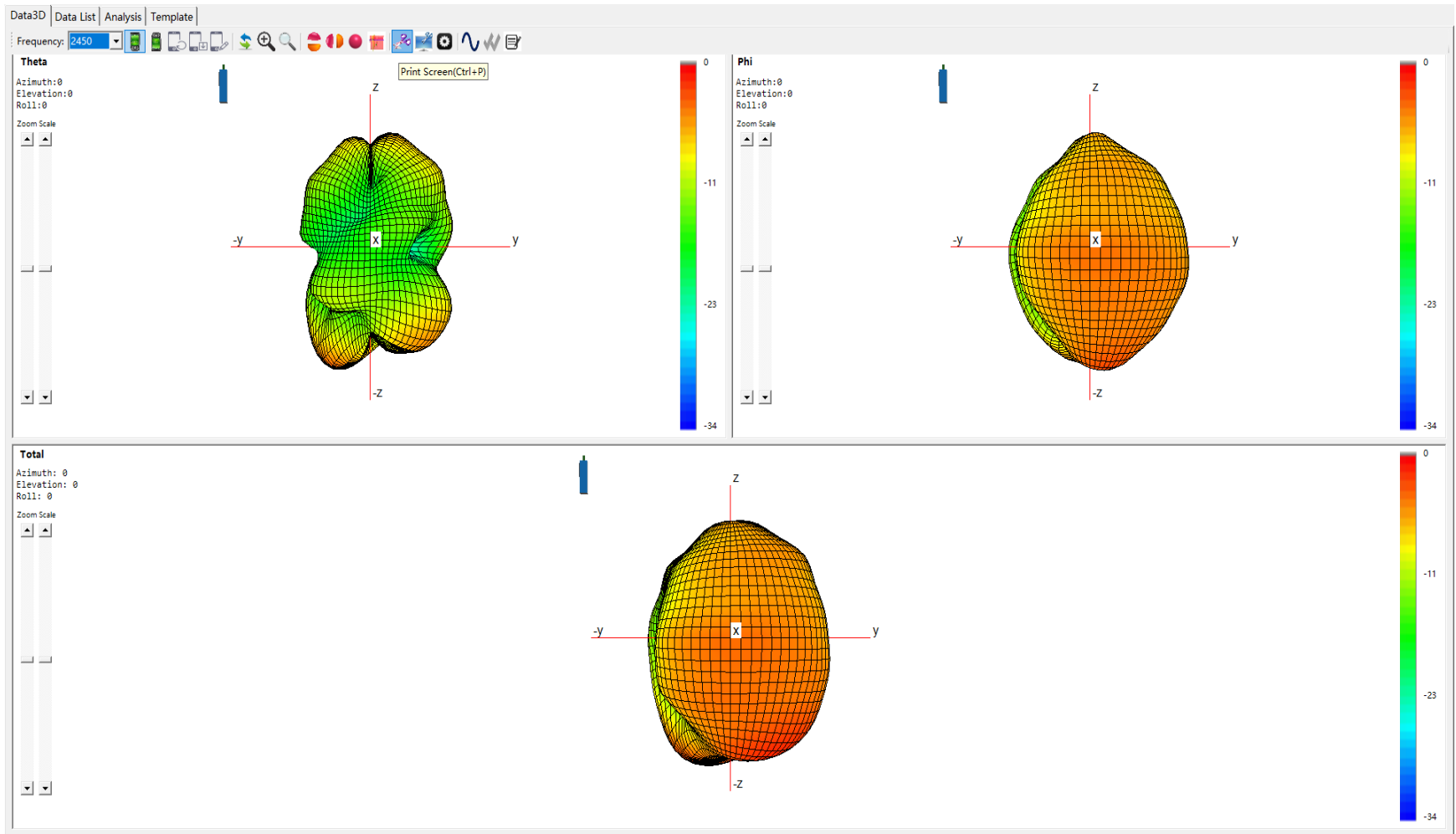
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



Passive Antenna Test

Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.52	29.69
2410	0.69	30.62
2420	0.27	28.92
2430	0.07	28.20
2440	-0.29	26.61
2450	-0.58	25.04
2460	-0.55	25.09
2470	-0.55	24.92
2480	-0.62	24.07
2490	-0.56	24.07
2500	-0.62	23.85

3D Antenna Radiation Pattern (2450MHz)



2D Antenna Radiation Pattern (2450MHz)

