

Antenna Test Report

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Applicant' s name : SMP Labs, Inc
Address : 868 Southamton Dr Palo Alto,
CA 94303 USA
M/N:SSH1

Project Name: SSH1_V3
Author: Yang
Update: 2022-12-27

Overview

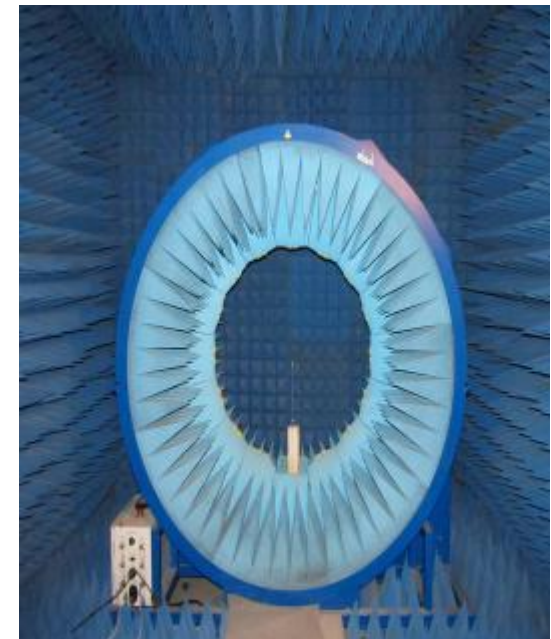
CUSTOMER NAME	MOKO	PROJECT NAME	SSH1_V3
Items		Details	
• FREQUENCY		2400MHz-2500MHz	
• PROJECT TYPE			
• ANTENNA SPACE			
• FEED & GROUND PAD			
• SENSITIVE ELEMENTS			
• ANTENNA TYPE			
• PCB			
• OTHERS			

Revision History

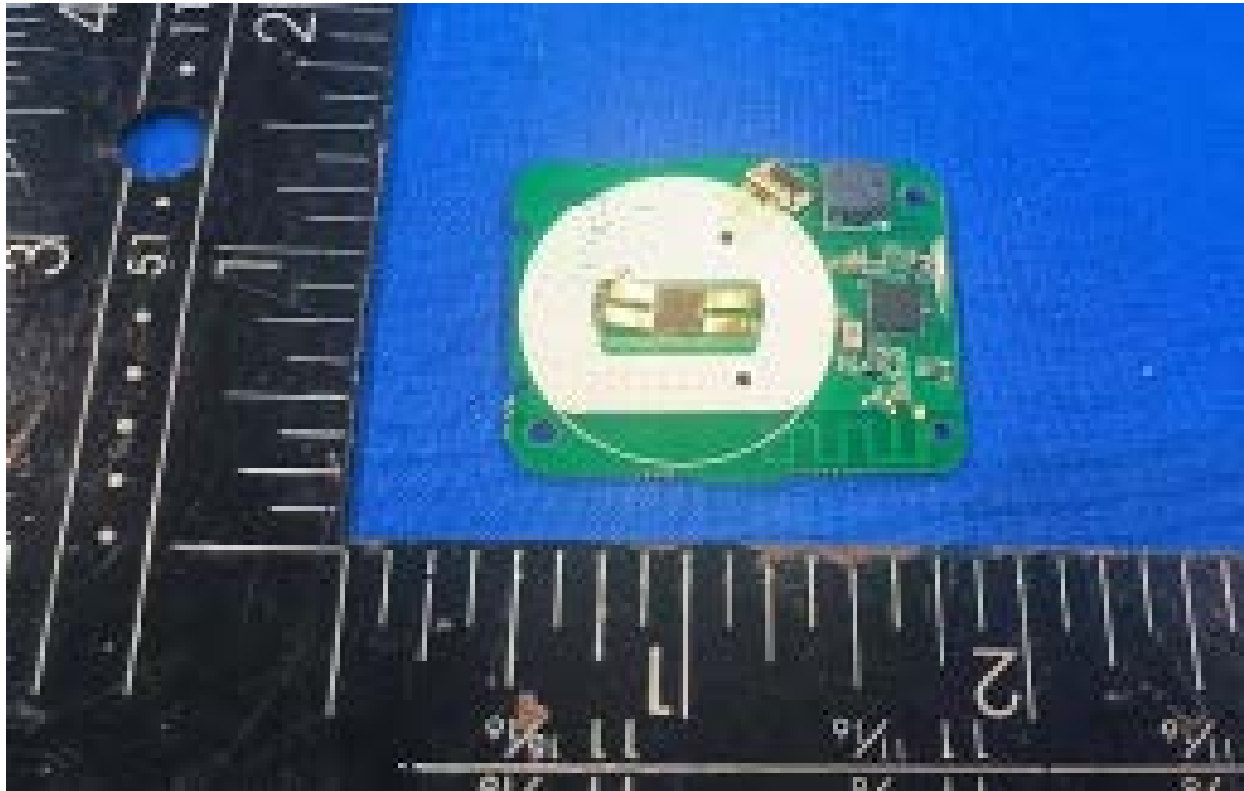
Date	Revision	Author	Description of changes

Test Item & Equipment

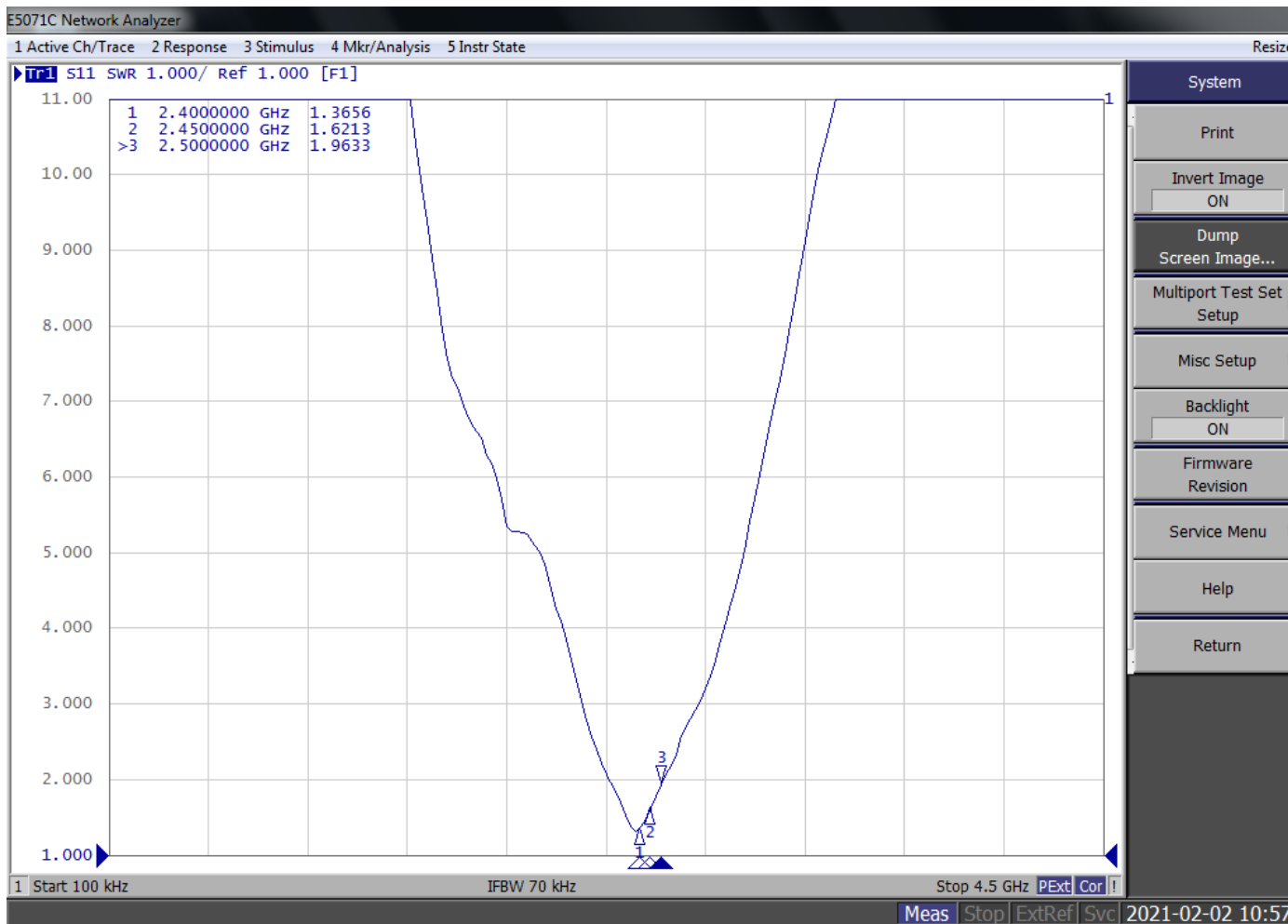
List	Test Item	Equipment	
1.S Parameter	VSWR, Return Loss	Agilent VNA	
2.Active Test	TRP, TIS	Agilent 8960	RayZone1800
3.Passive Test	Gain, Efficiency, Pattern	Agilent E5071C	



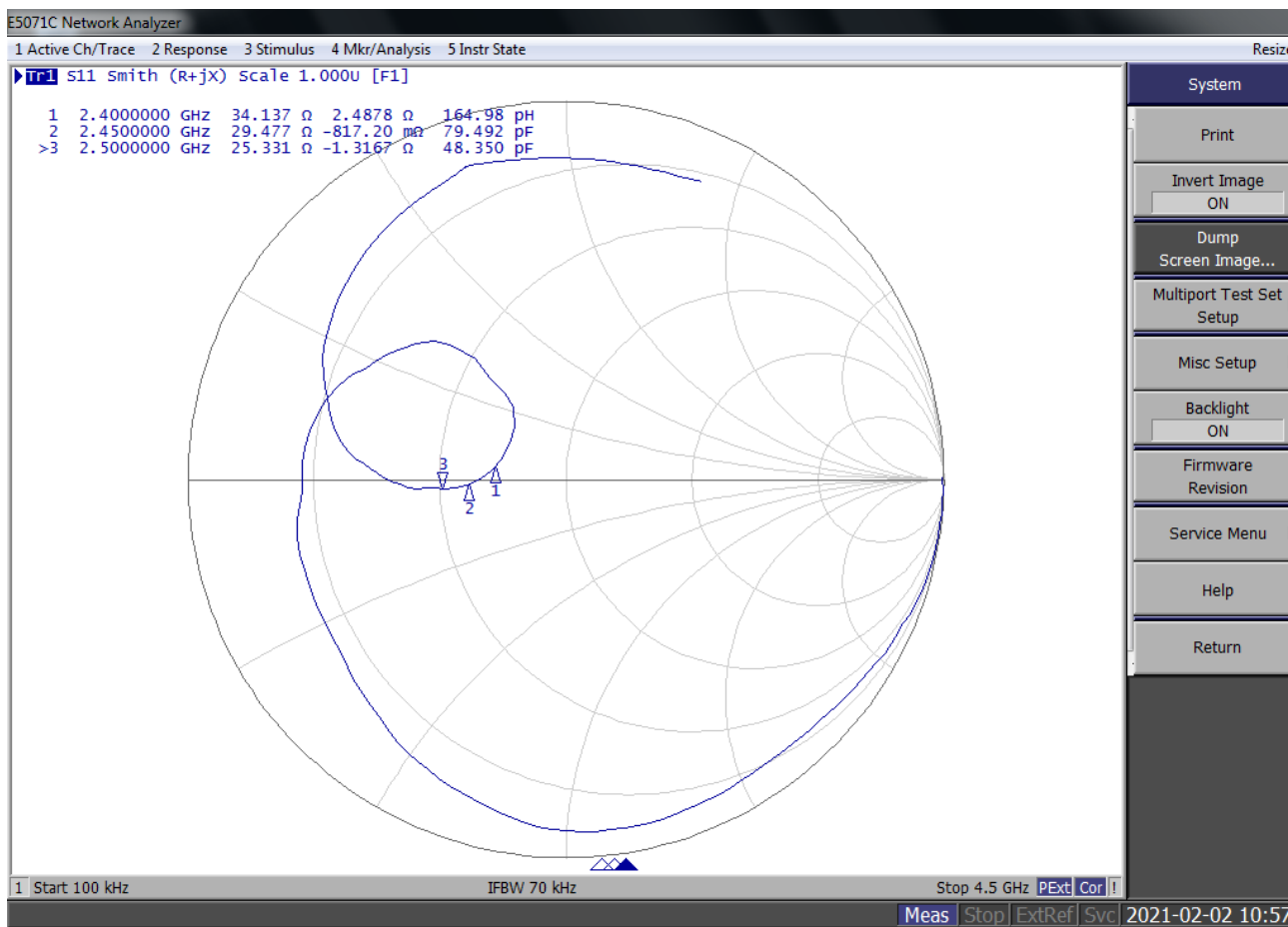
Antenna



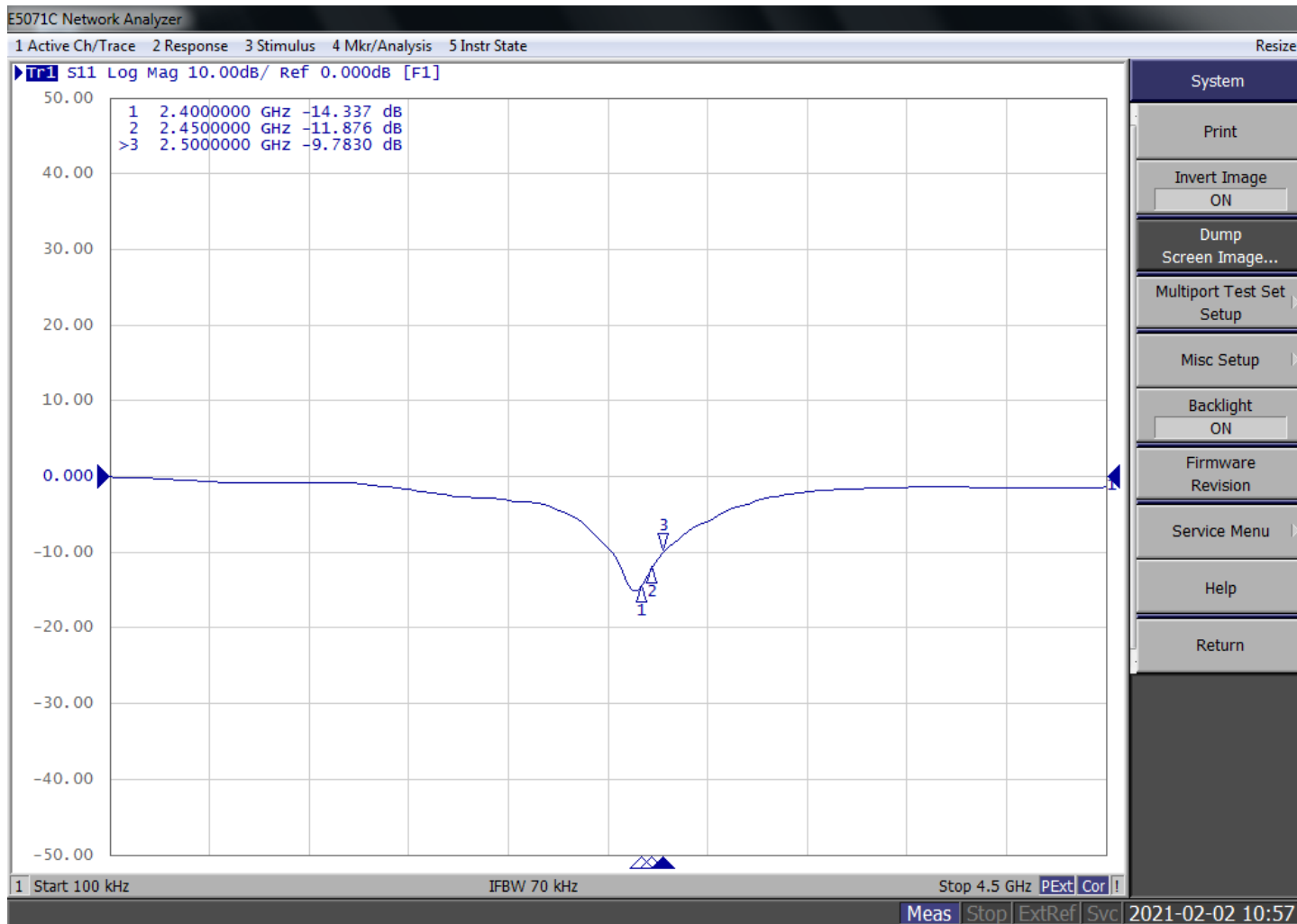
VSWR



Smith



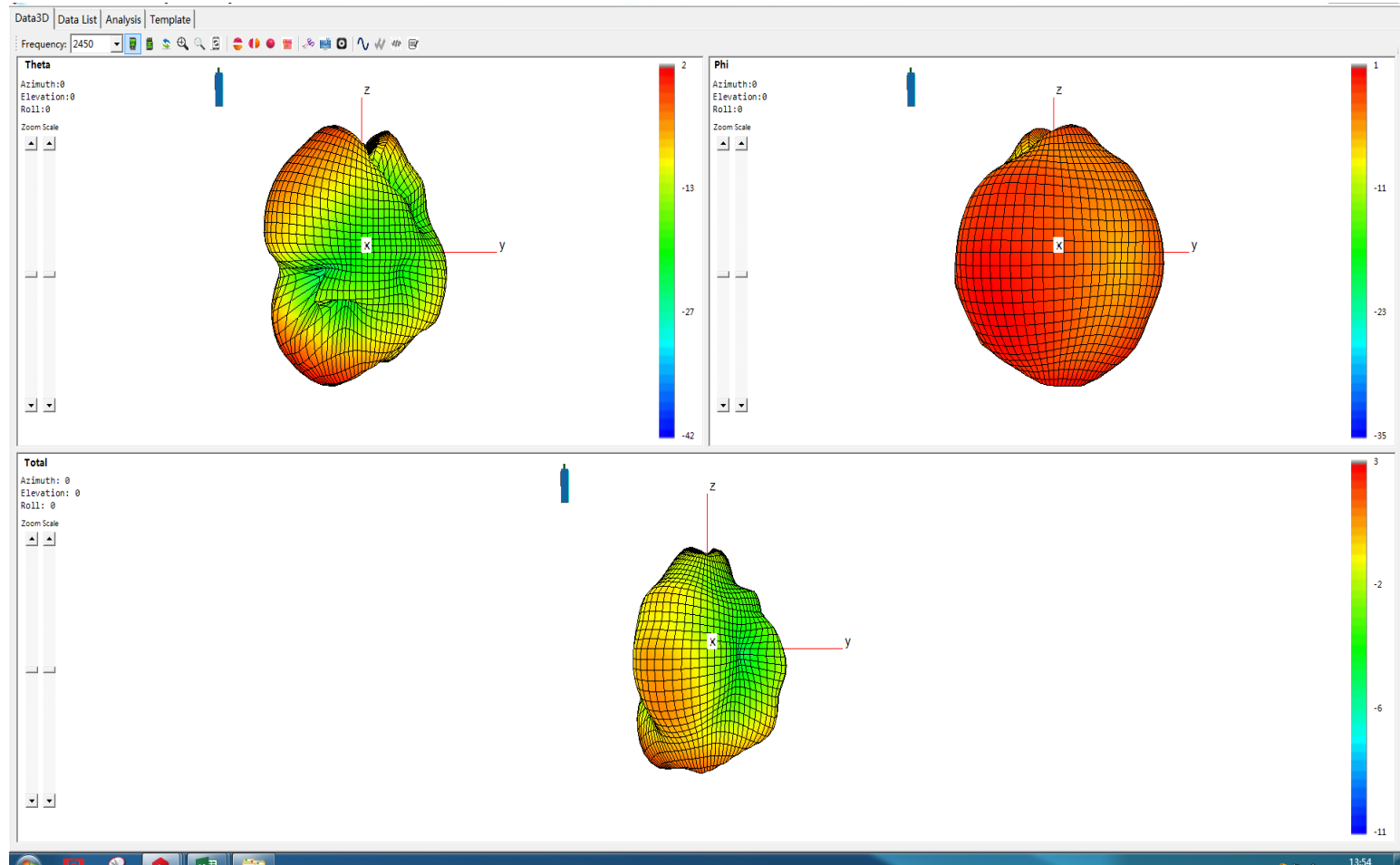
S11



PASSIVE TEST (plastic)

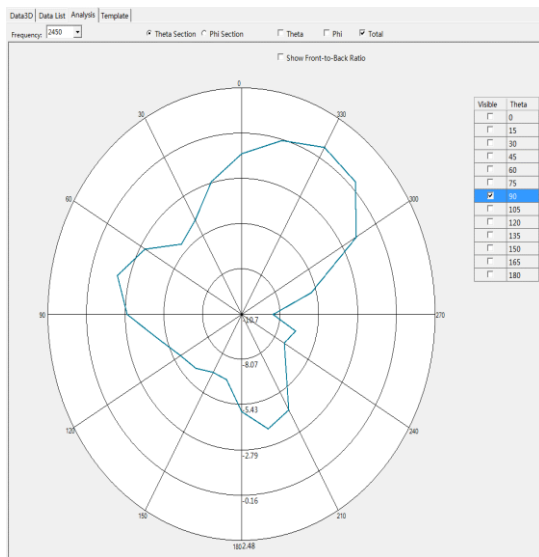
Freq (Mhz)	Gain(dB)	Effi (%)
2400	2.56	55.63
2410	3.00	60.64
2420	2.91	60.53
2430	2.79	60.18
2440	2.52	58.41
2450	2.48	57.44
2460	2.75	60.38
2470	3.00	63.79
2480	3.04	64.20
2490	3.12	64.88
2500	3.21	66.57

3D Antenna Radiation Pattern (2450MHz)

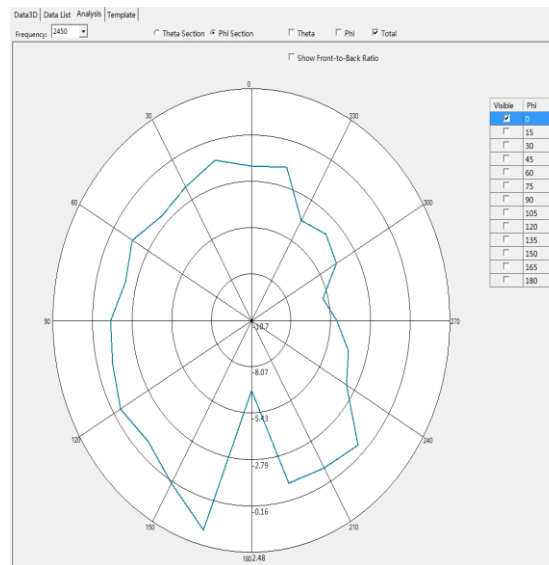


2D Antenna Radiation Pattern (2450MHz)

XOY



XOZ



YOZ

