



Antenna Part Specification

Project name:	WM621
Material category:	2.4G TX antenna
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,A Block,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version:	V1.0
Date:	2025.8.22



Contents

I: The report of passive data	3
II: Antenna matching circuit.....	6
III: Antenna structure diagram file	7

Change record			
Compile / change date	Reason for change	Changed content	Version
2025.8.22	First edition	First edition	V1.0

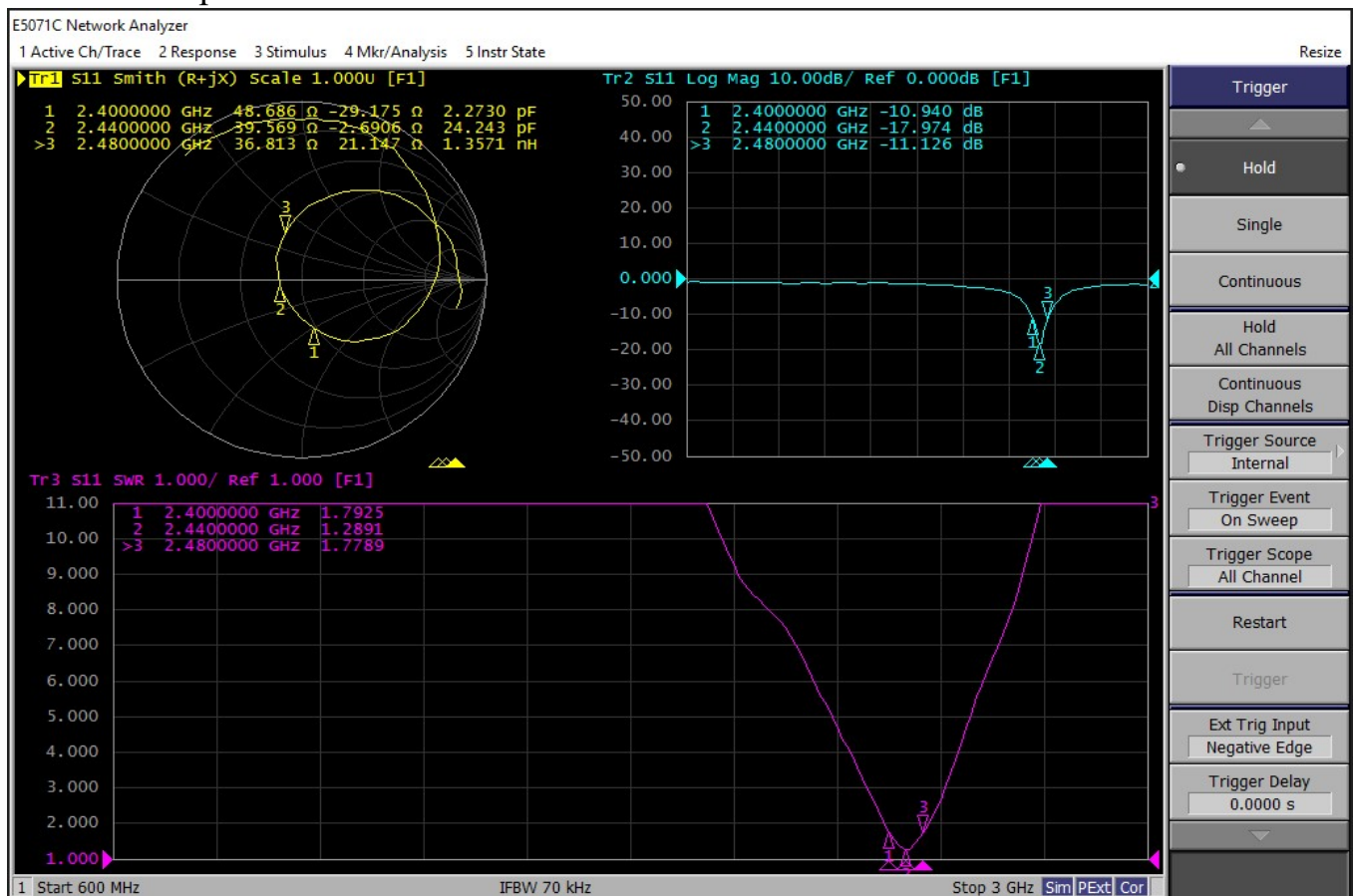


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

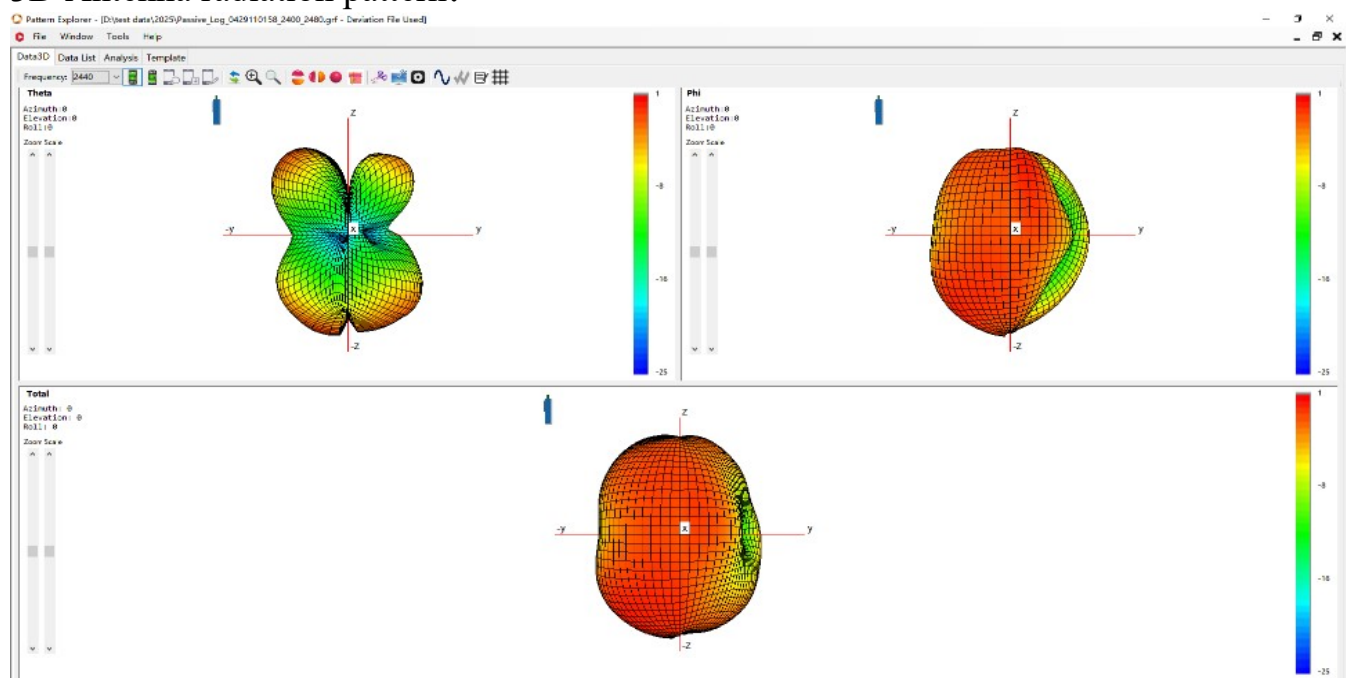




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	58.59	-2.32	0.18
2410	61.59	-2.11	0.38
2420	63.72	-1.96	0.48
2430	63.64	-1.96	0.42
2440	62.98	-2.01	0.36
2450	62.16	-2.07	0.29
2460	60.59	-2.18	0.19
2470	58.47	-2.33	0.03
2480	55.62	-2.55	-0.20
AVG	60.82	-2.17	0.24

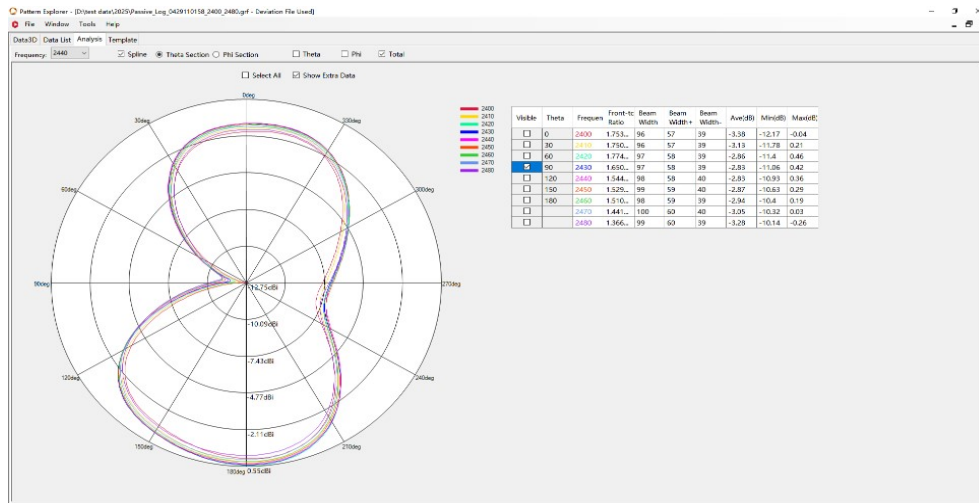
3D Antenna radiation pattern:



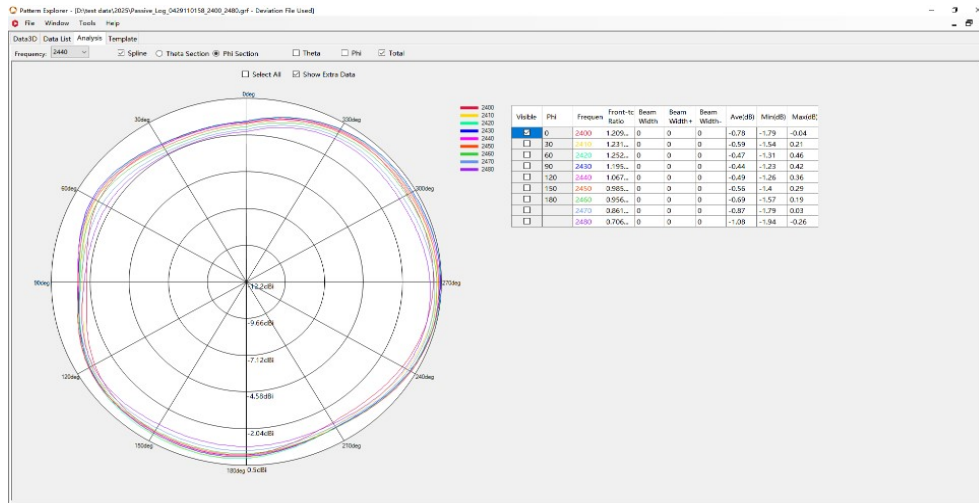


2D Antenna radiation pattern:

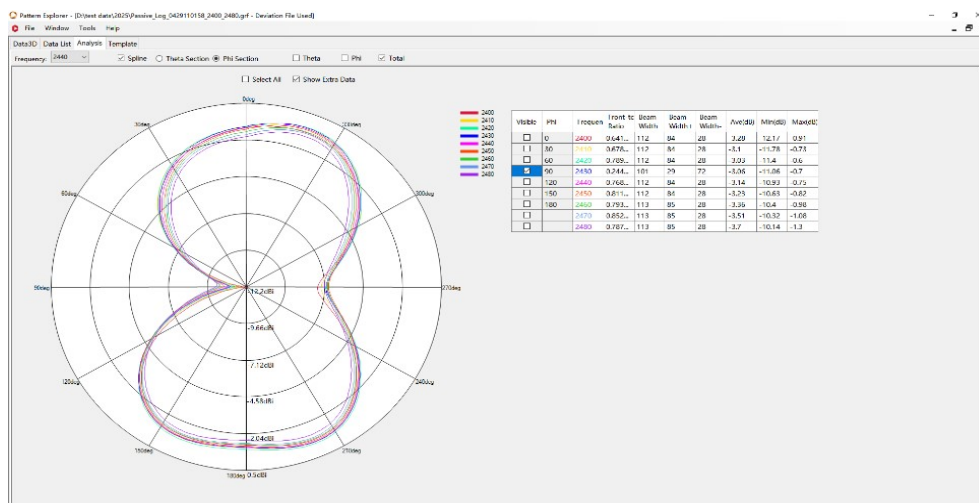
Theta=90°



Phi=0°

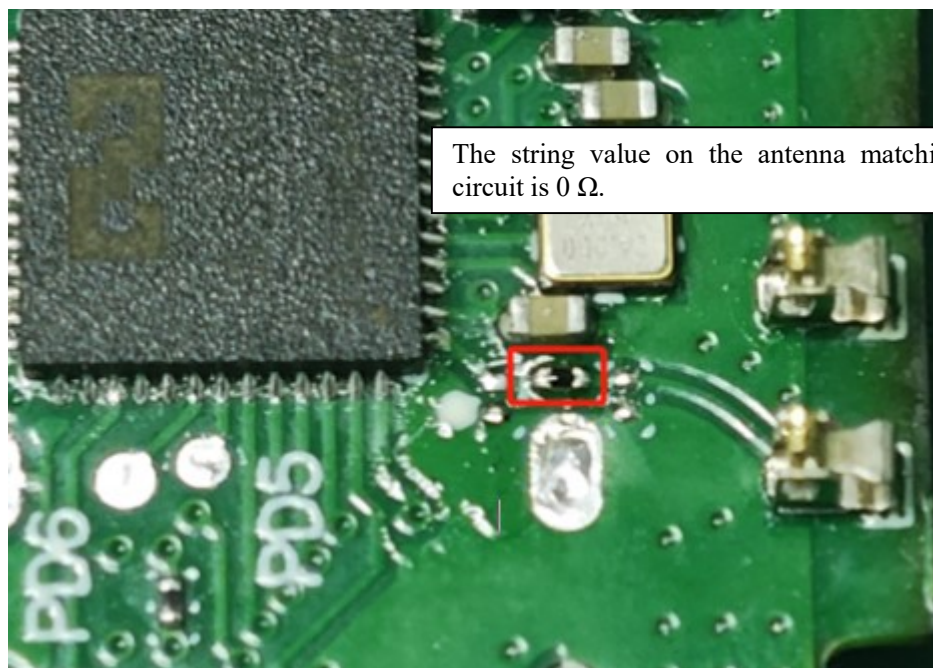


Phi=90°





II: Antenna matching circuit





III: Antenna structure diagram file

