



Antenna Part Specification

Project name:	WM621
Material category:	Plus Type-C RX 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

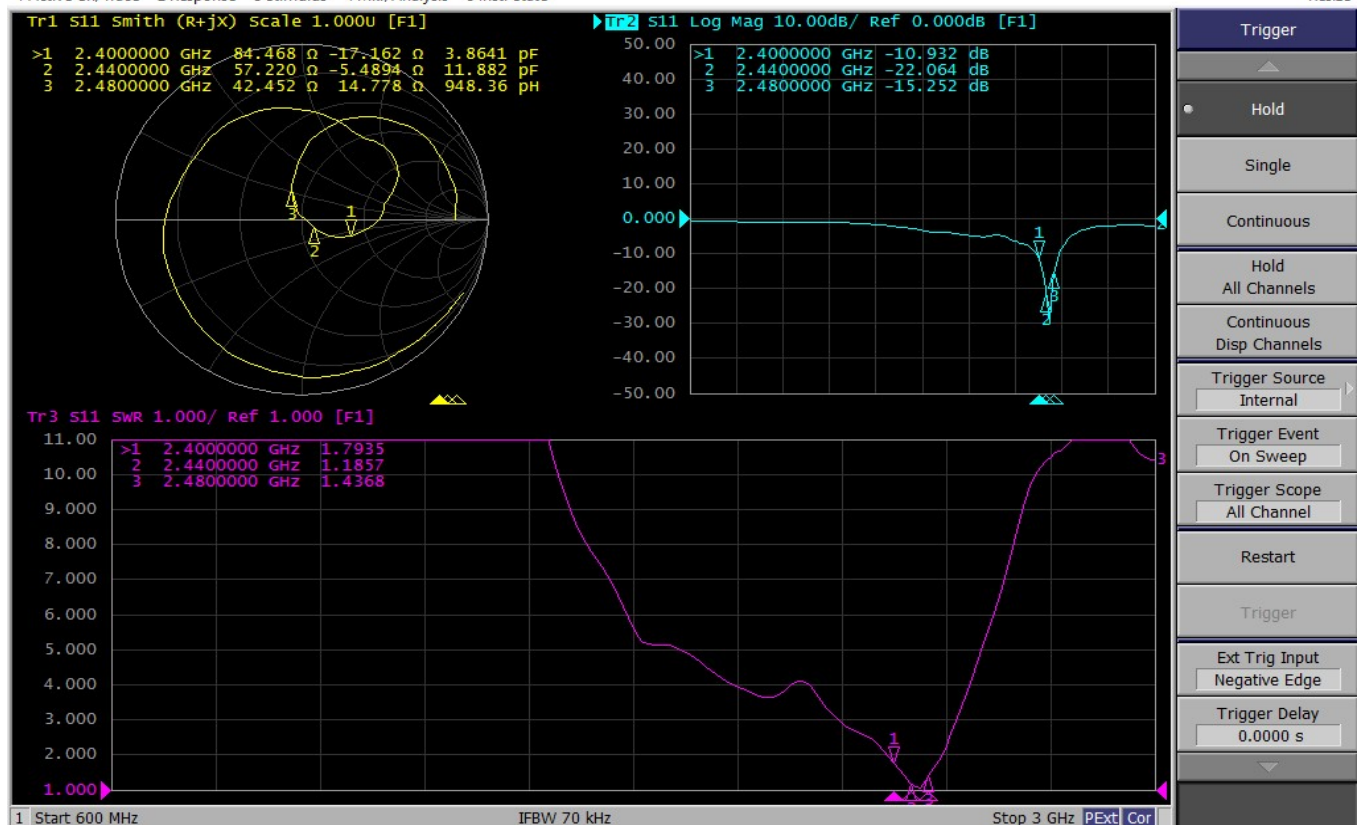


Angilent E5071C

antenna S11 parameter:

E5071C Network Analyzer

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

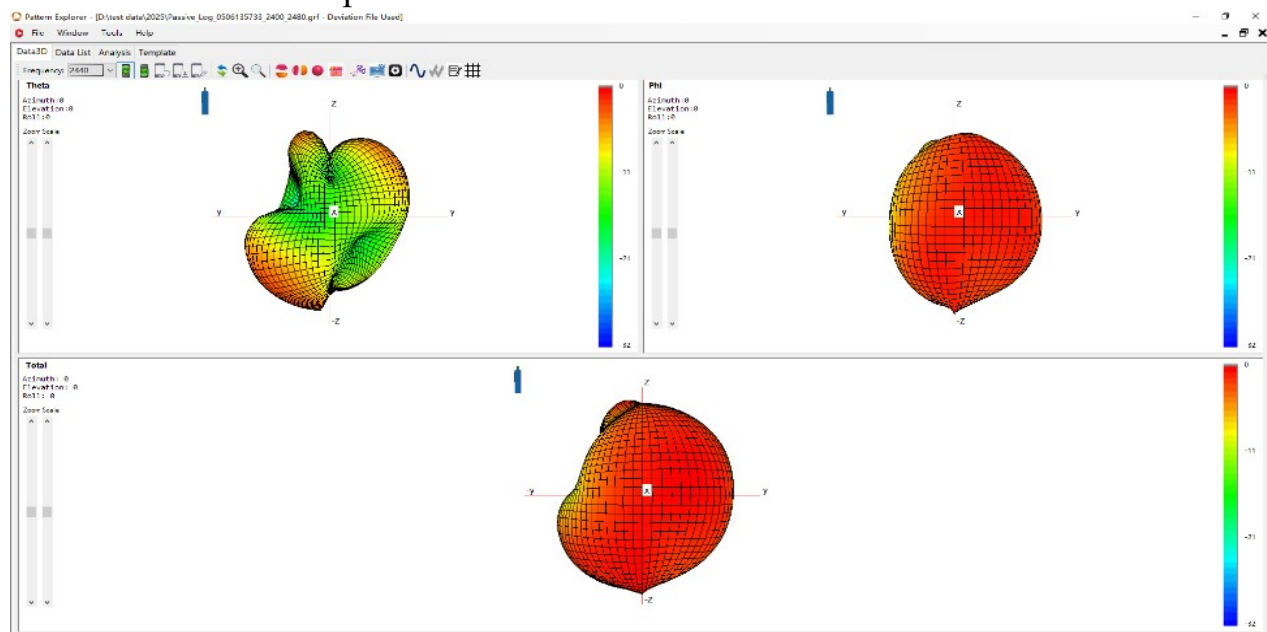




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	29.48	-5.31	-0.72
2410	32.49	-4.88	-0.41
2420	35.53	-4.49	0.03
2430	36.81	-4.34	-0.01
2440	37.50	-4.26	-0.16
2450	37.11	-4.30	-0.16
2460	35.59	-4.49	-0.26
2470	35.67	-4.48	-0.43
2480	35.21	-4.53	-0.52
AVG	35.04	-4.56	-0.29

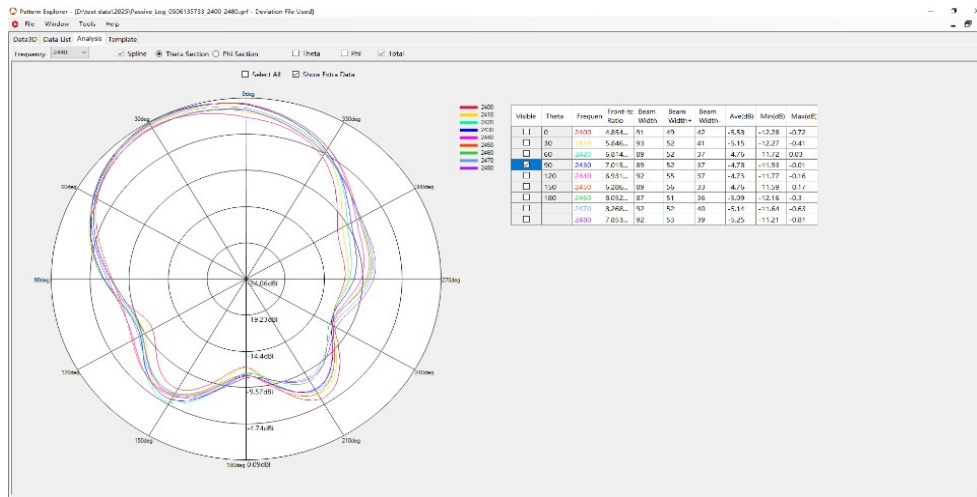
3D Antenna radiation pattern:



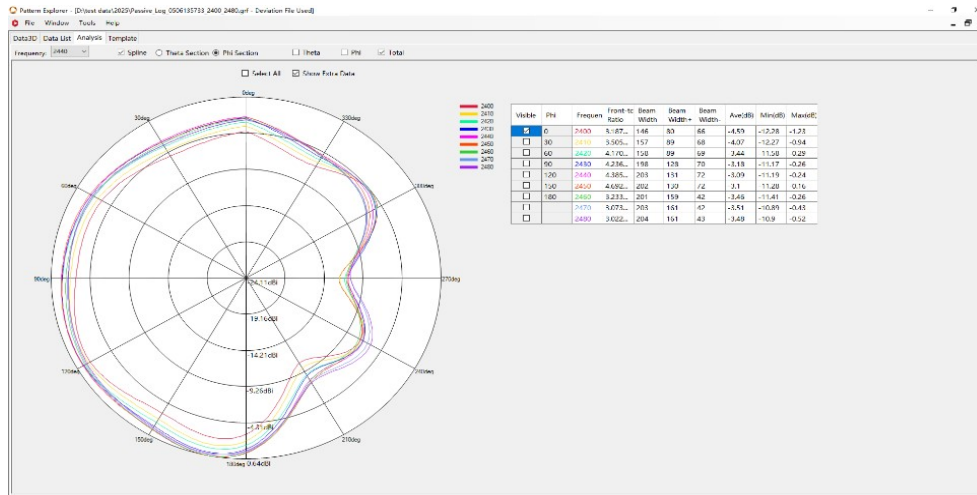


2D Antenna radiation pattern:

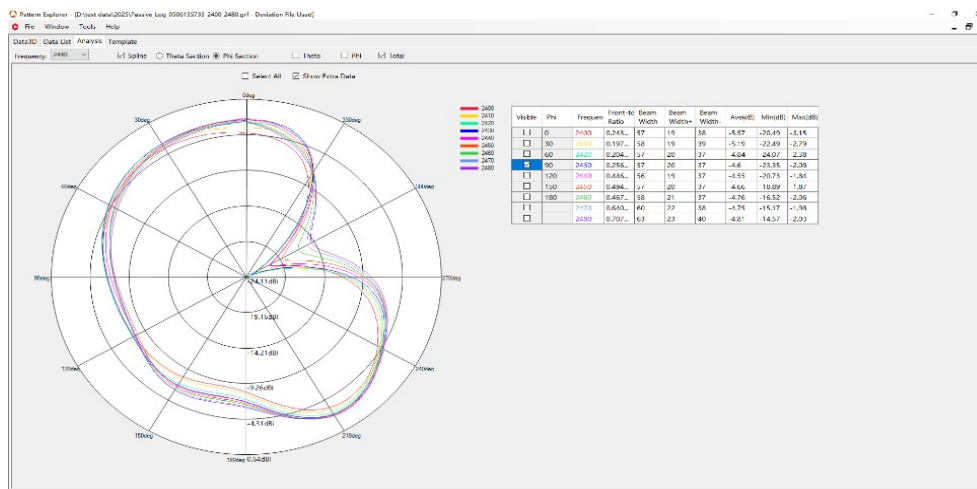
Theta=90°



Phi=0°



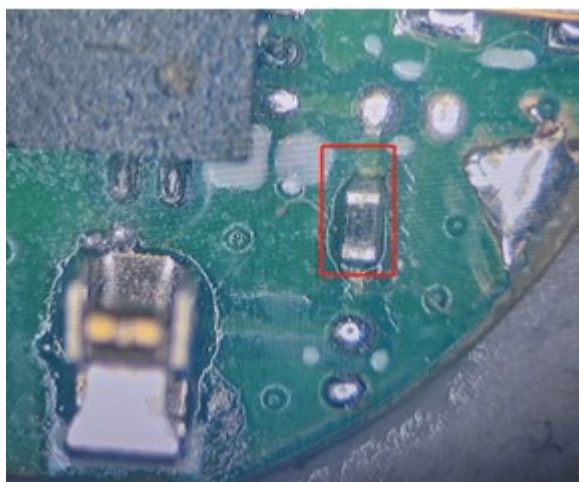
Phi=90°





II: Antenna matching circuit

The string value on the antenna matching circuit is 1pF





III: Antenna structure diagram file

