



Antenna Part Specification

Customer name:	Cosonic
Project name:	CE-2230N(Buds plus cradle)
Material category:	BT antenna
Antenna type:	monopole
Version:	V1.0
Date:	2025.6.11
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer Address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china



Contents

I: The report of passive data 2
II: Matching circuit..... 5
III: Structure file 6

Change record			
Compile / change date	Reason for change	Changed content	Version
2025.6.11	First edition	First edition	V1.0

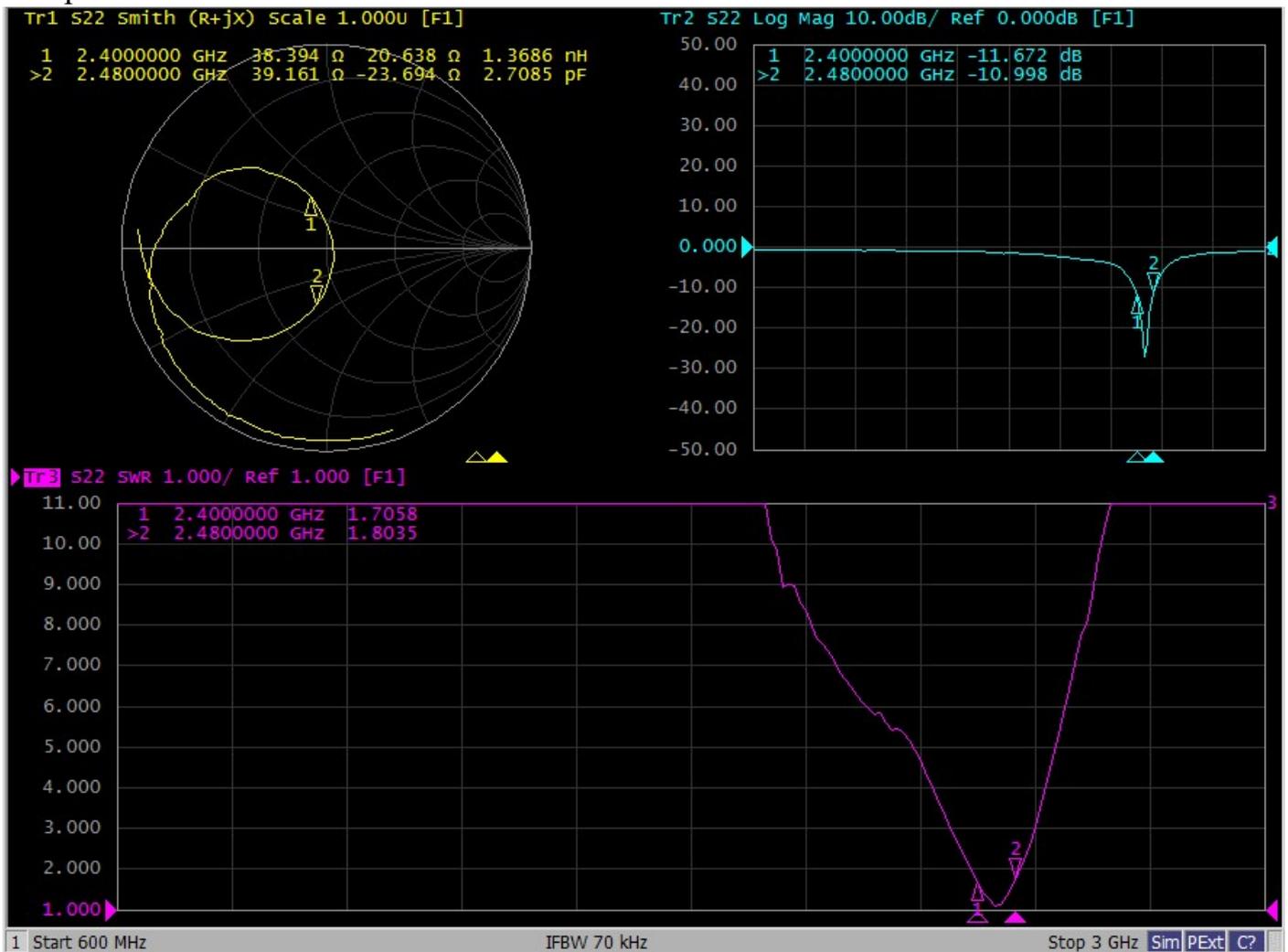


I: The report of passive data



Angilent E5071C

S11 parameter:





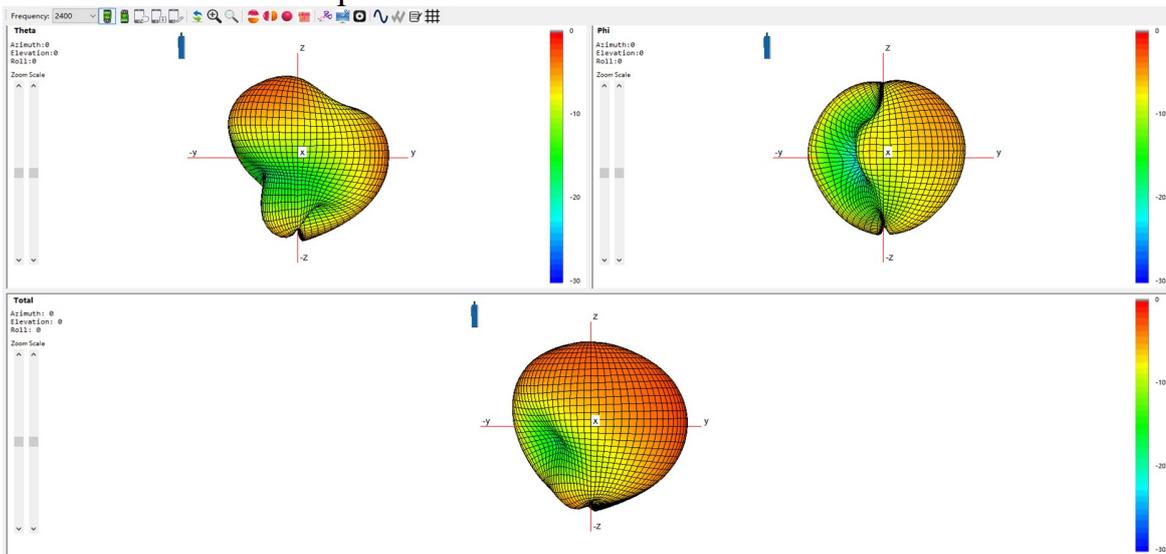
antenna efficiency and gain:

2.4GHz			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-0.9	-4.2	38.2
2410	-0.8	-4.0	39.6
2420	-0.7	-3.9	40.6
2430	-0.8	-3.9	40.5
2440	-0.9	-4.0	40.0
2450	-1.1	-4.1	39.3
2460	-1.3	-4.2	38.0
2470	-1.5	-4.4	36.3
2480	-1.8	-4.7	34.3
AVG	-1.1	-4.1	38.5

2400~2480MHz

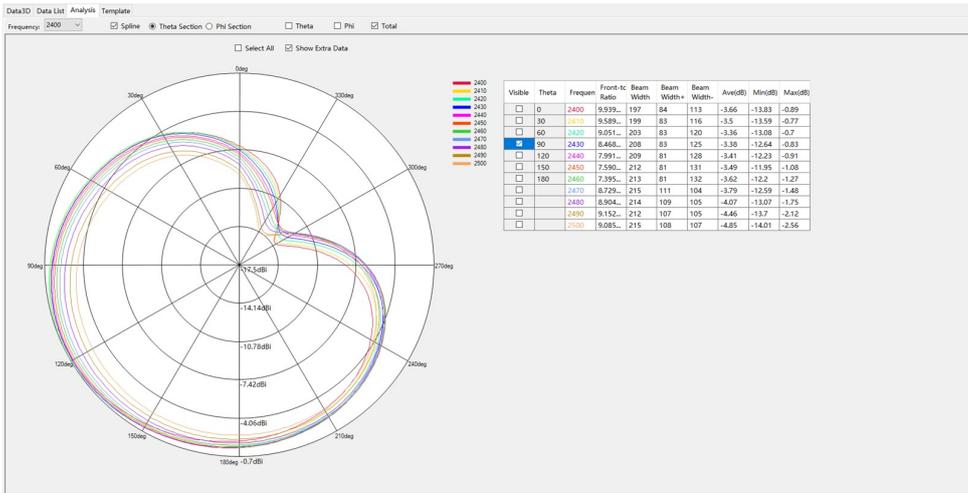
Peak Gain:-0.7dBi Min Gain:-1.8dBi Avg Gain:-1.1dBi

3D Antenna radiation pattern:

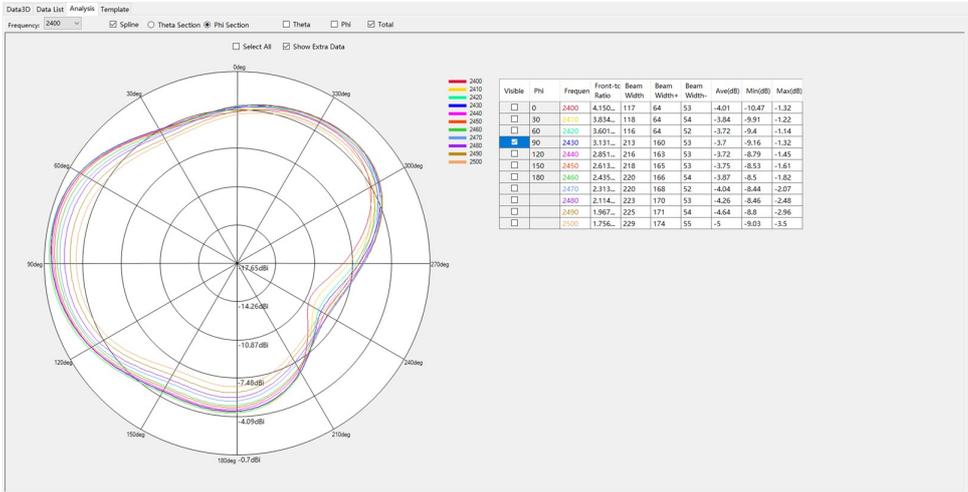




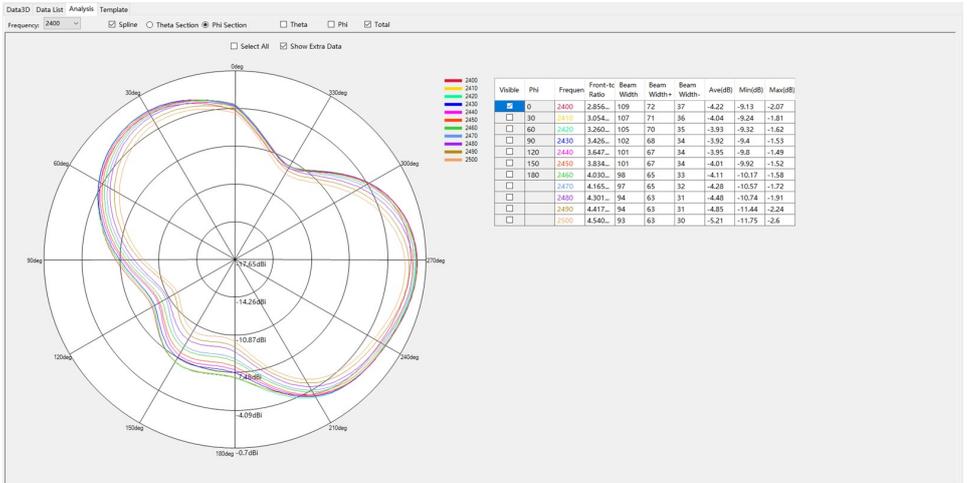
Antenna radiation pattern: Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





OTA Standard Chamber



III: Structure file

