



Antenna Part Specification

Project name:	CE-2268B
Antenna name:	L-BT antenna
Antenna type:	PIFA
Version:	V1.0
Date:	2026.7.6
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	3
II: 3D Active test report of antenna	8
III: Antenna matching circuit	8
IV: Antenna structure diagram file	9

Change record			
Compile / change date	Reason for change	Changed content	Version
2026.7.6	First edition	First edition	V1.0

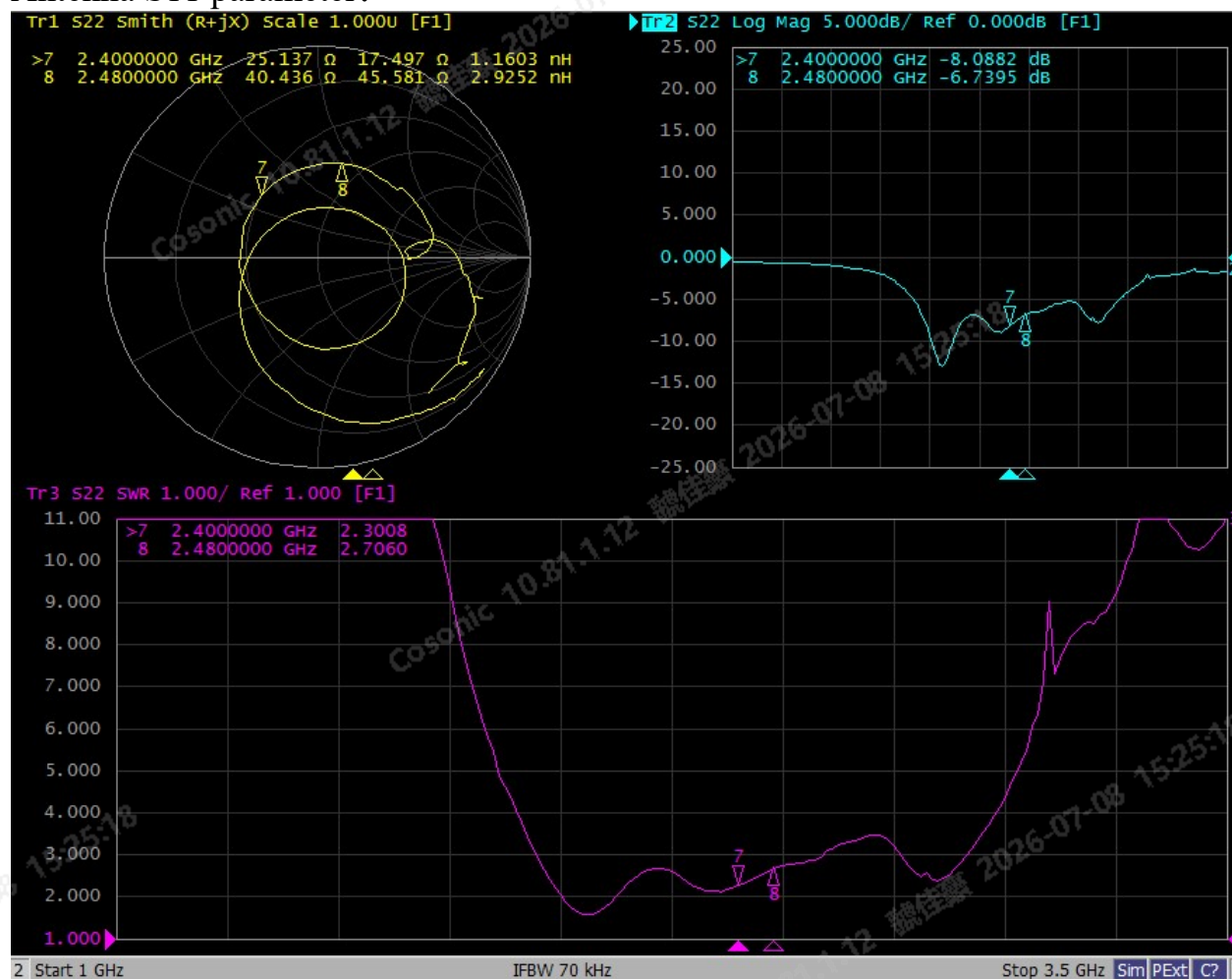


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

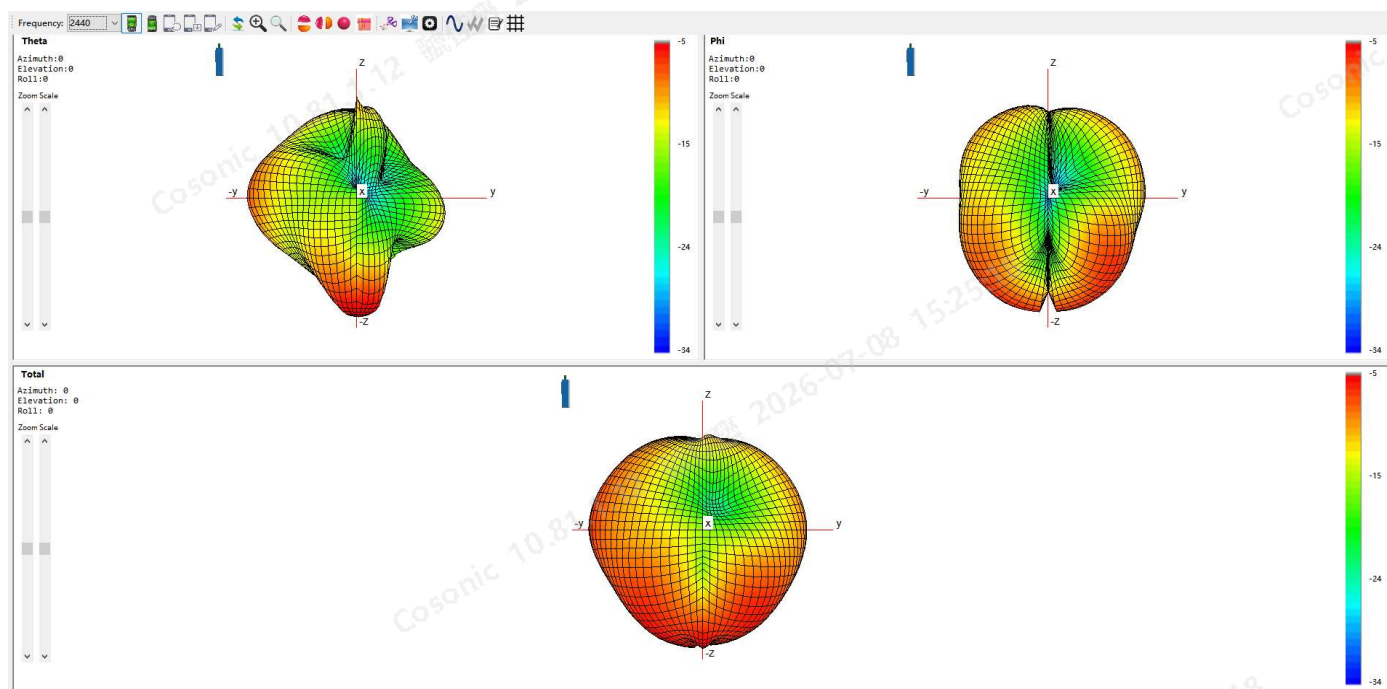




Antenna efficiency and gain: (free)

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	10.3	-9.9	-5.4
2410	10.6	-9.8	-5.2
2420	10.7	-9.7	-5.1
2430	10.7	-9.7	-5.2
2440	10.6	-9.7	-5.2
2450	10.6	-9.7	-5.2
2460	10.5	-9.8	-5.3
2470	10.6	-9.7	-5.3
2480	11.1	-9.6	-5.1
average	10.6	-9.7	-5.2

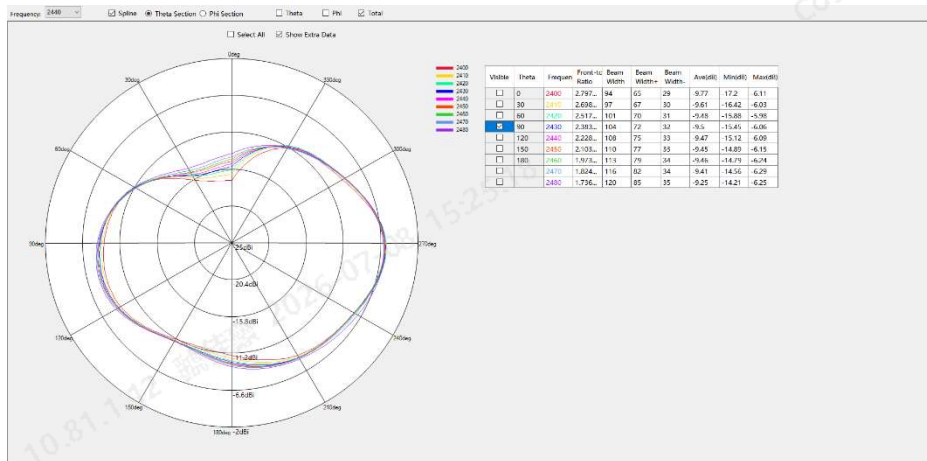
3D Antenna radiation pattern: (free)



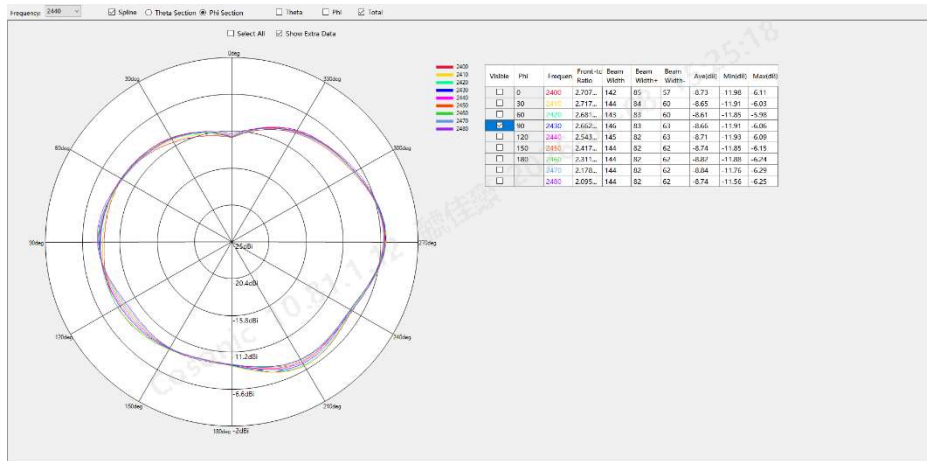


2D Antenna radiation pattern: (free)

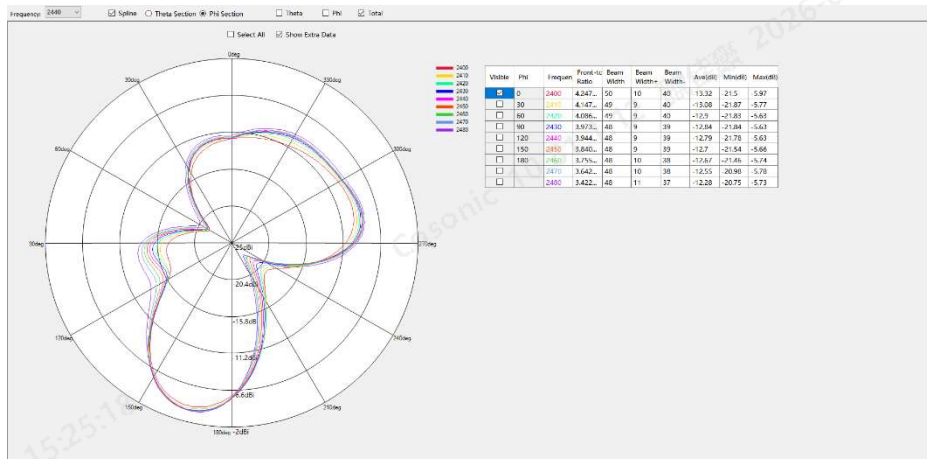
Theta = 90°



Phi=90°



Phi=0°

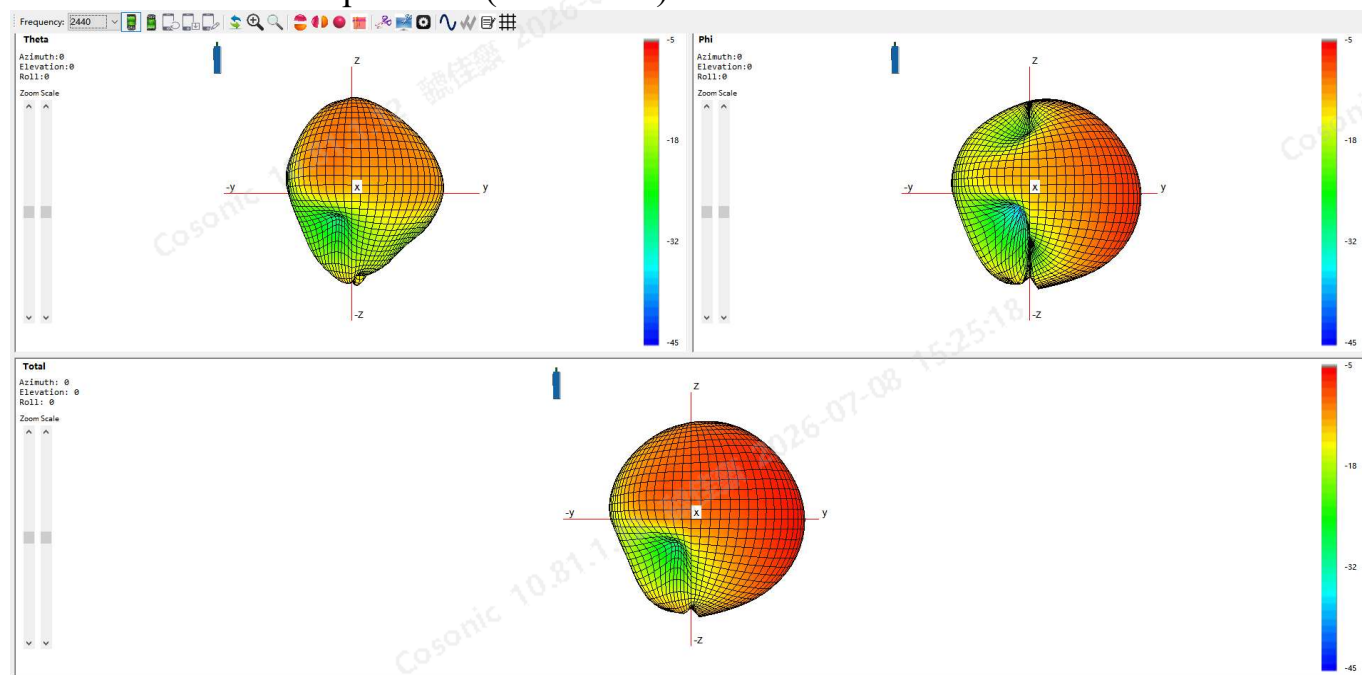




Antenna efficiency and gain: (head model)

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	6.7	-11.7	-5.4
2410	6.8	-11.7	-5.4
2420	6.9	-11.6	-5.5
2430	6.8	-11.7	-5.7
2440	6.7	-11.7	-5.8
2450	6.7	-11.8	-5.9
2460	6.6	-11.8	-6.0
2470	6.6	-11.8	-6.1
2480	6.6	-11.8	-6.1
average	6.7	-11.7	-5.7

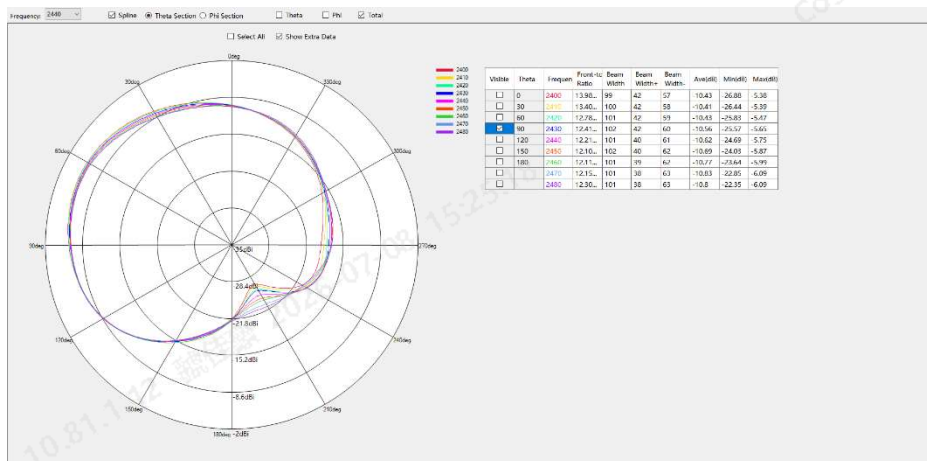
3D Antenna radiation pattern: (head model)



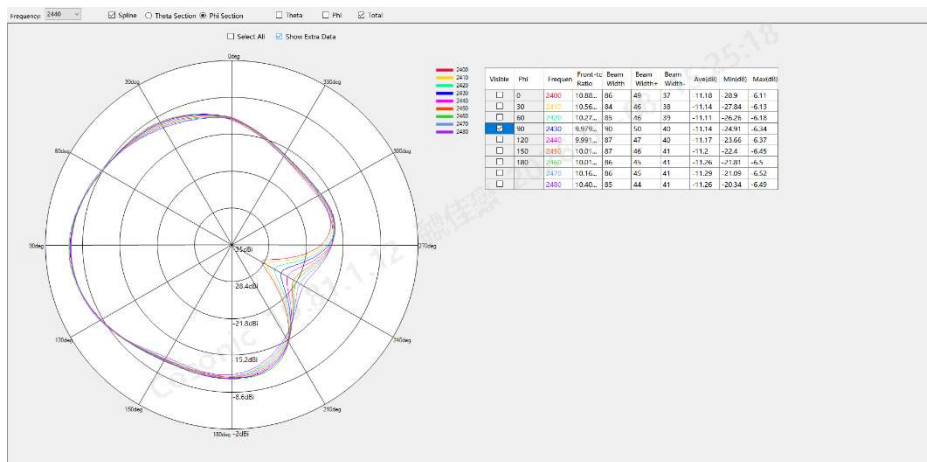


2D Antenna radiation pattern: (head model)

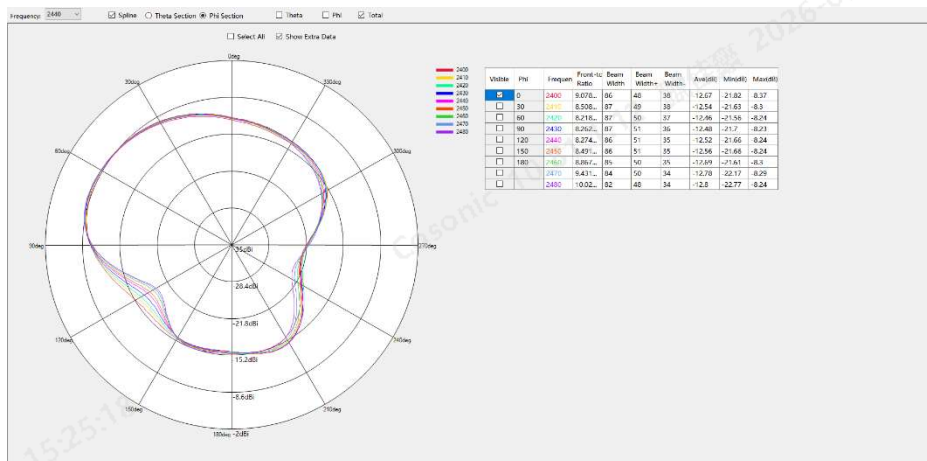
Theta = 90°



Phi=90°



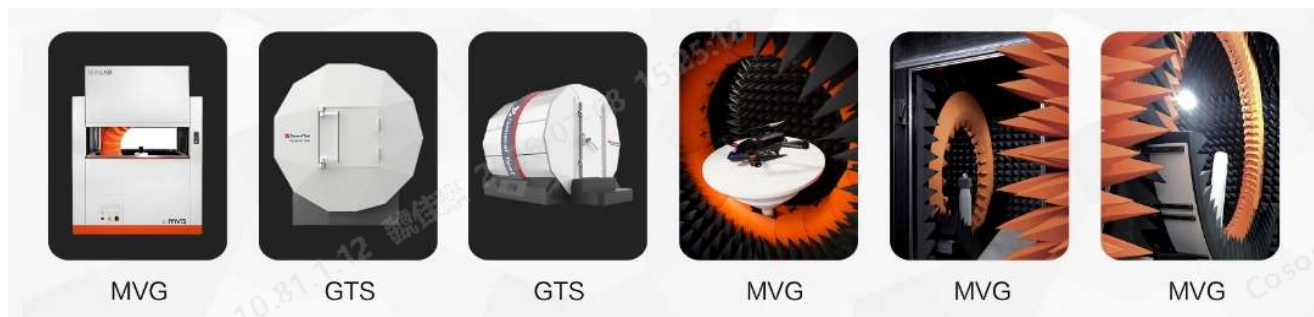
Phi=0°





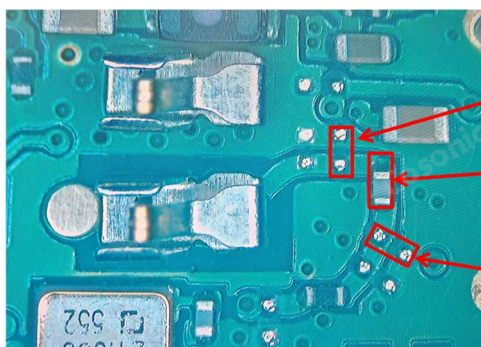
II: 3D Active test report of antenna

		free		head model	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
L	CH 0	-0.2	-88.4	-0.7	-86.7
	CH 39	0.9	-89.3	0.2	-87.4
	CH 78	1.7	-89.2	1.1	-87.5



OTA Standard Chamber

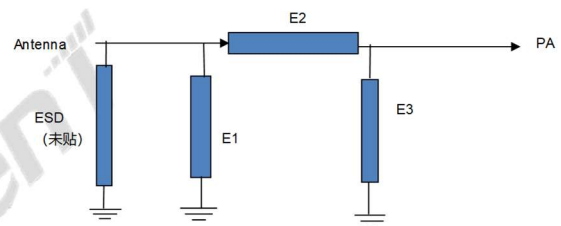
III: Antenna matching circuit



7.5nH

1.2pF

N/A



Element	Value
E1(0201)	7.5nH
E2(0201)	1.2pF
E3(0201)	N/A



IV: Antenna structure diagram file

