



Antenna Part Specification

Project name:	CE-2268B
Antenna name:	R-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



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

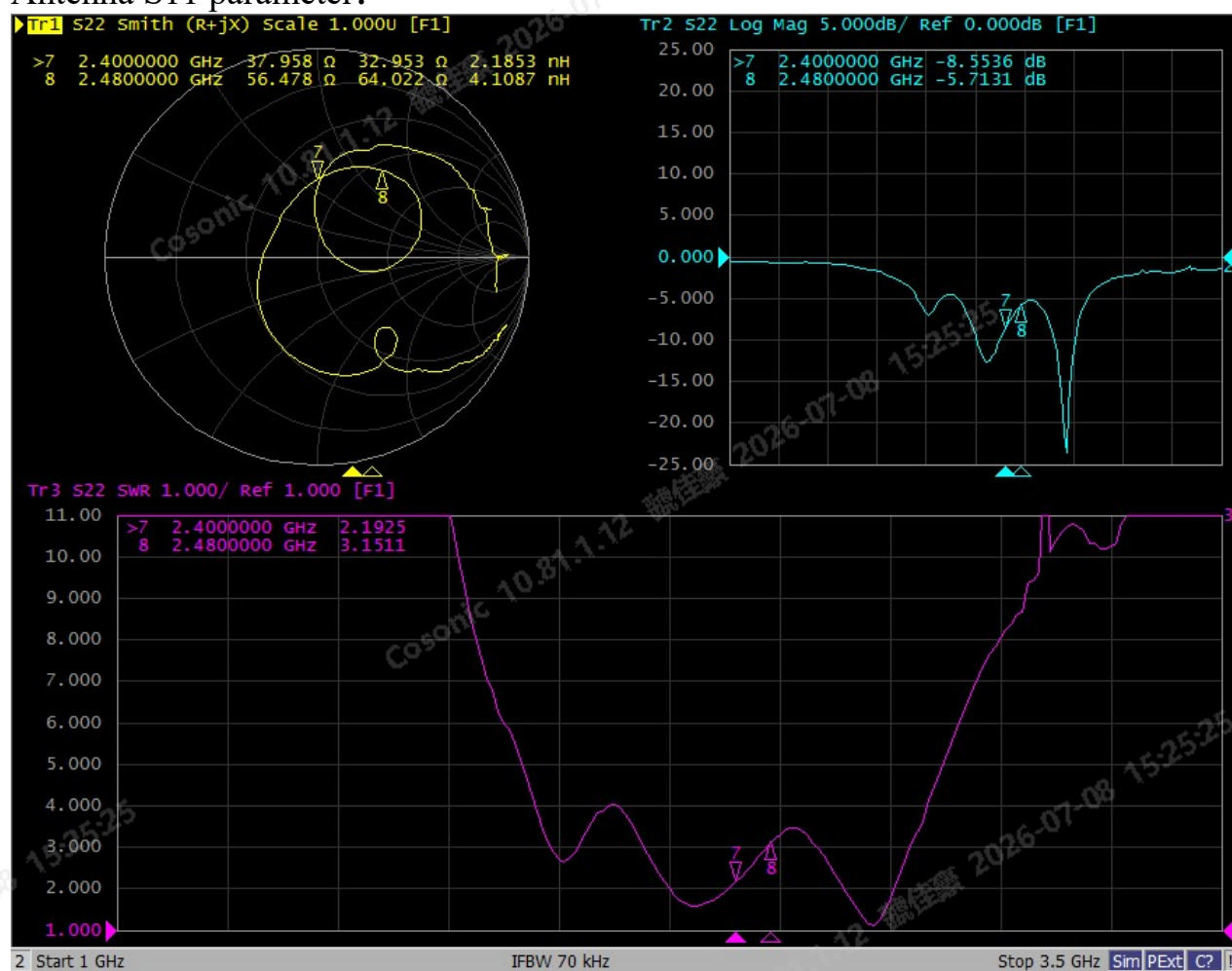


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

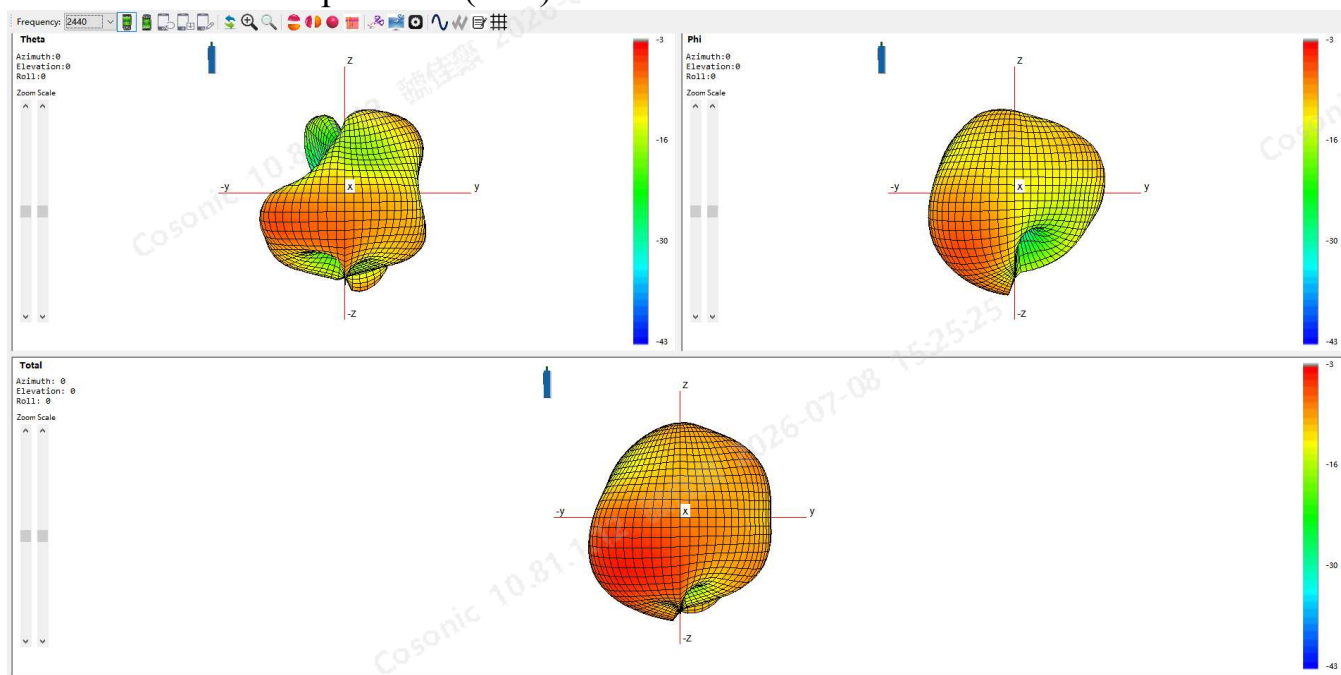




Antenna efficiency and gain: (free)

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	9.9	-10.1	-3.9
2410	9.6	-10.2	-3.8
2420	9.3	-10.3	-3.8
2430	8.9	-10.5	-3.9
2440	8.6	-10.7	-3.9
2450	8.5	-10.7	-3.9
2460	8.2	-10.8	-4.0
2470	8.2	-10.9	-4.1
2480	8.5	-10.7	-4.0
average	8.8	-10.5	-3.9

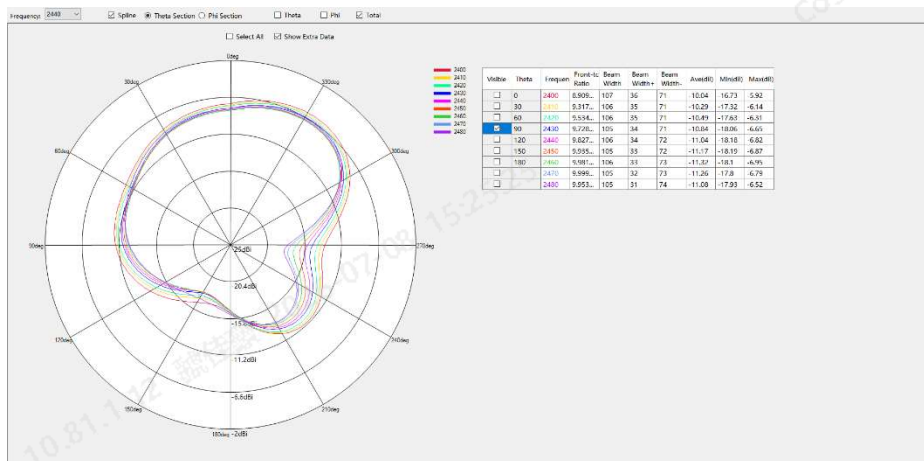
3D Antenna radiation pattern: (free)



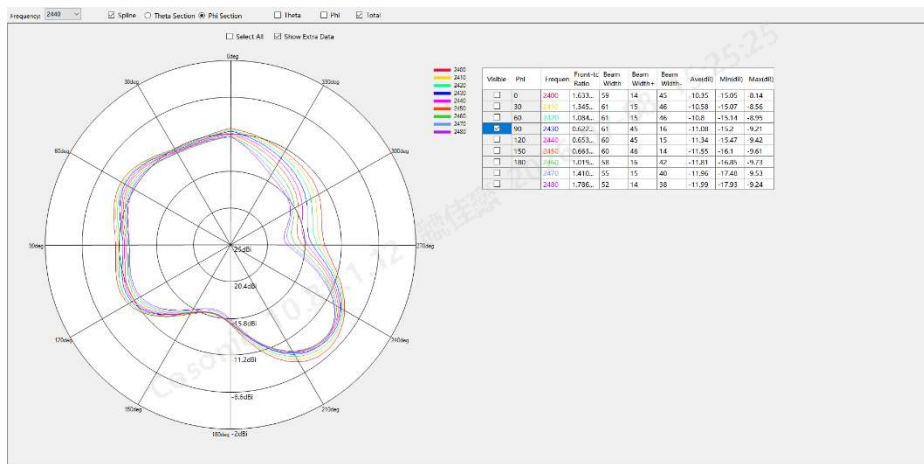


2D Antenna radiation pattern: (free)

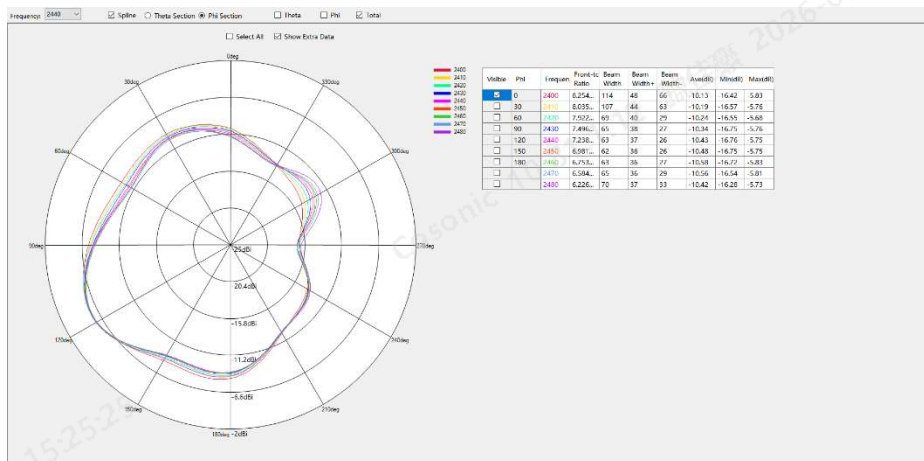
Theta = 90°



Phi=90°



Phi=0°

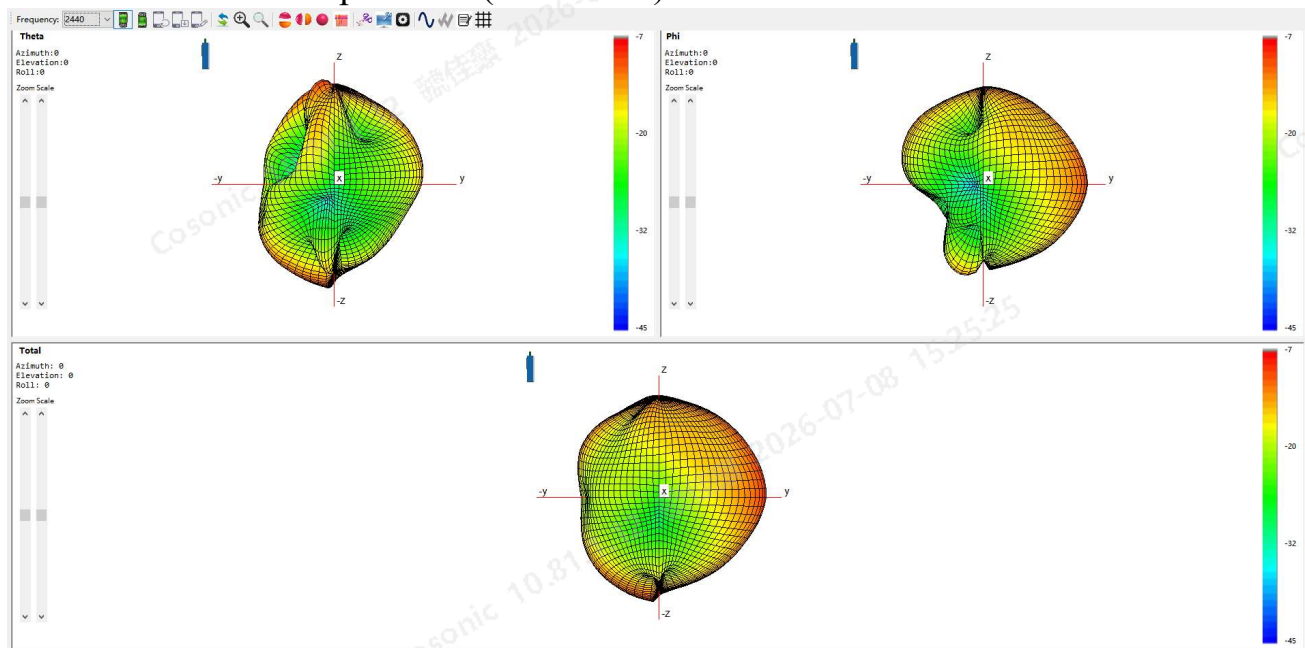




Antenna efficiency and gain: (head model)

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	6.5	-11.8	-7.2
2410	6.4	-11.9	-7.3
2420	6.4	-12.0	-7.3
2430	6.4	-11.9	-7.4
2440	6.3	-12.0	-7.5
2450	6.5	-11.9	-7.5
2460	6.7	-11.7	-7.5
2470	6.8	-11.7	-7.2
2480	7.1	-11.5	-7.0
average	6.6	-11.8	-7.3

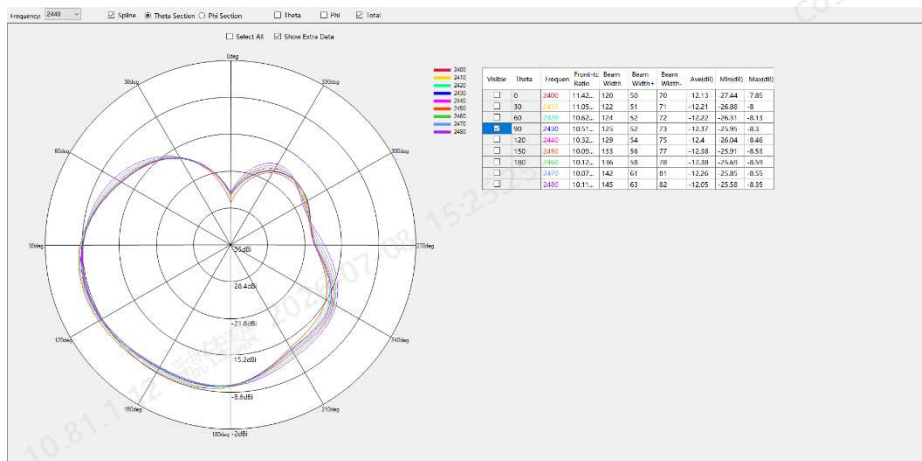
3D Antenna radiation pattern: (head model)



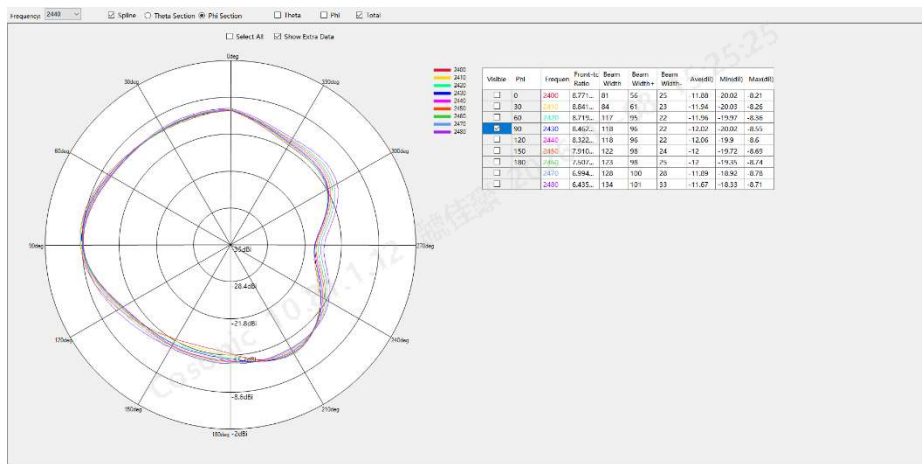


2D Antenna radiation pattern: (head model)

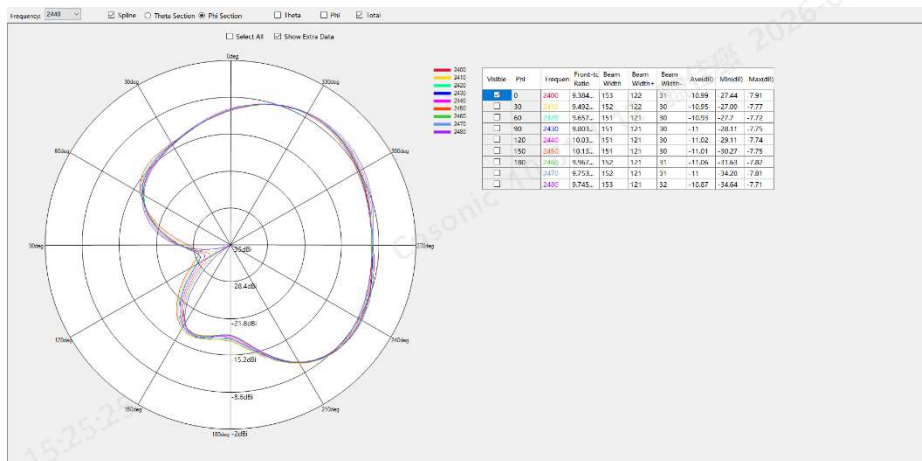
Theta = 90°



Phi=90°



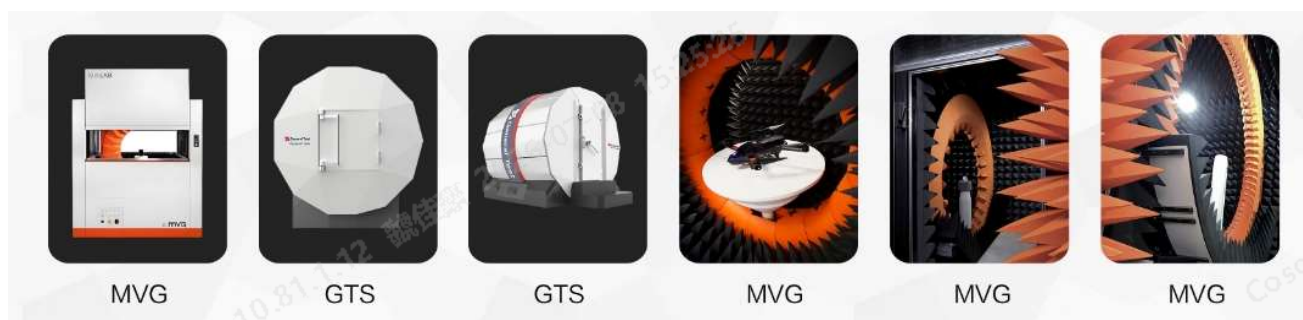
Phi=0°





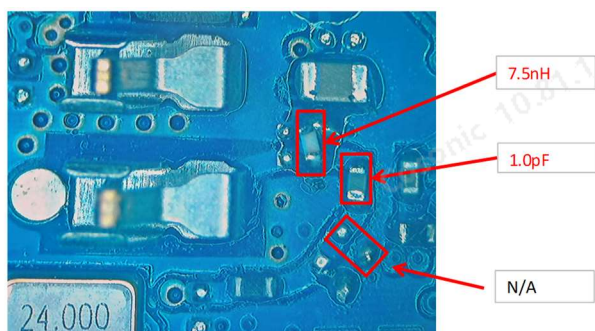
II: 3D Active test report of antenna

		free		head model	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	1.1	-87.2	-0.8	-85.8
	CH 39	1.0	-88.6	-1.3	-86.4
	CH 78	-0.7	-89.1	-2.0	-86.8

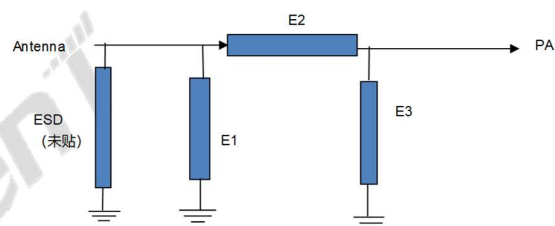


OTA Standard Chamber

III: Antenna matching circuit



Element	Value
E1(0201)	7.5nH
E2(0201)	1.0pF
E3(0201)	N/A





IV: Antenna structure diagram file

