



Antenna Part Specification

Project name:	CB020
Antenna material:	BLE Antenna
Antenna type:	Monopole
Version:	V1.0
Date:	2025.03.10
Supplier:	Shenzhen Cicent Communication Technology Co., Ltd.
Supplier Address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
PN:	102BK3F2008



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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.03.10	First edition	First edition	V1.0

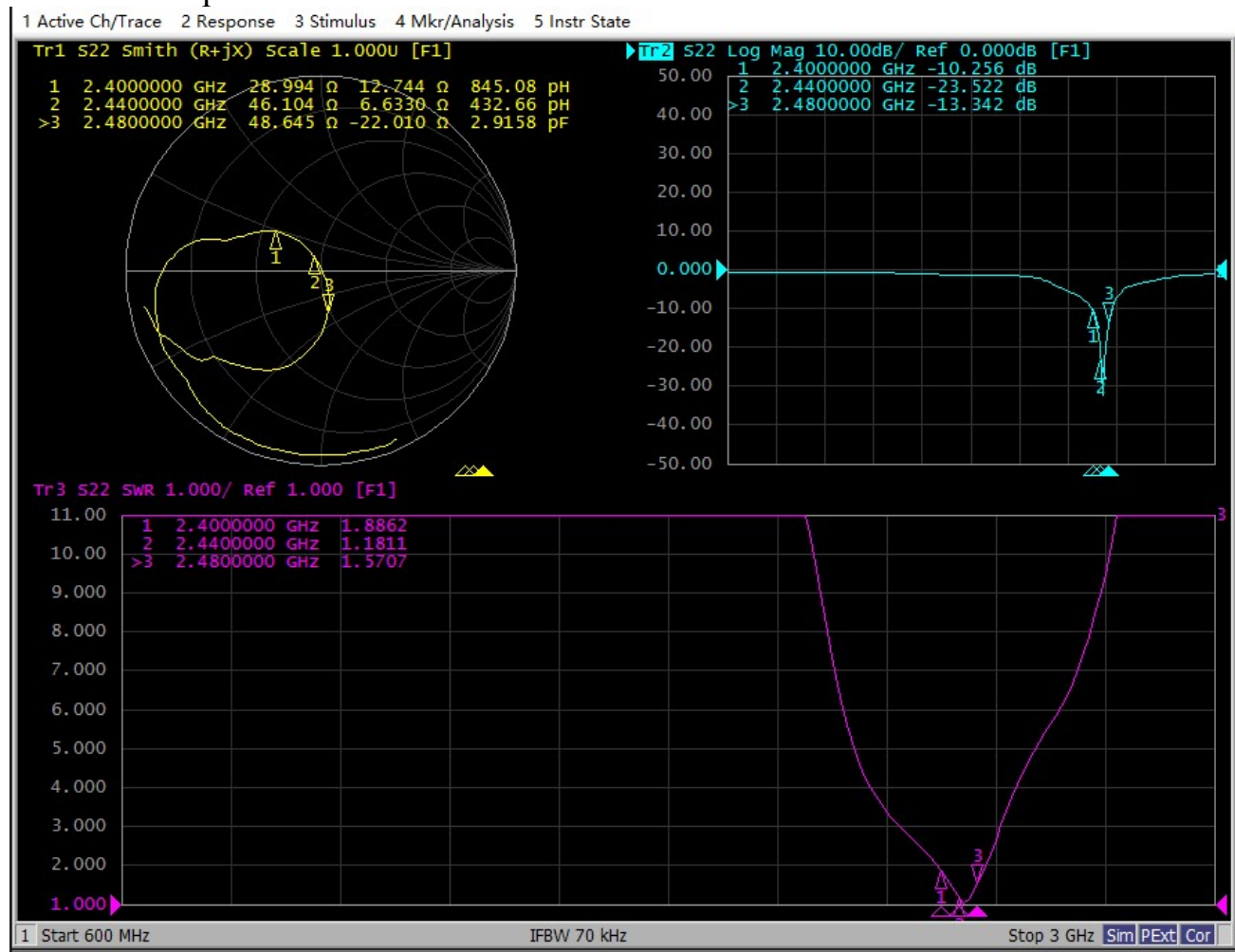


I: The report of passive data



Angilent E5071C

Antenna S11 parameters

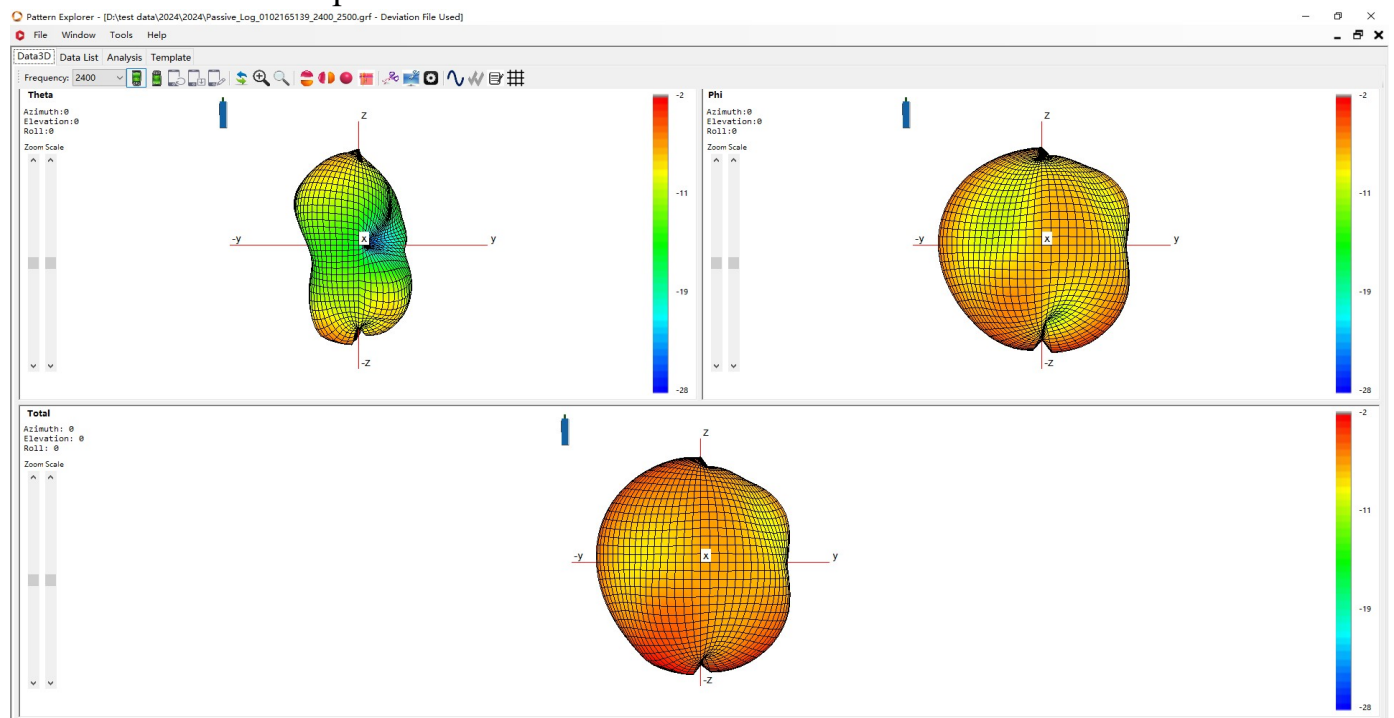




Efficiency:

BLE-2400-2480MHz			
Frequency (MHz)	Efficiency(%)	Efficiency (dB)	Gain (dBi)
2400	23.6%	-6.3	-2.1
2410	24.1%	-6.2	-1.8
2420	24.1%	-6.2	-1.6
2430	23.4%	-6.3	-1.6
2440	22.3%	-6.5	-1.6
2450	22.1%	-6.6	-1.6
2460	21.0%	-6.8	-1.6
2470	21.8%	-6.6	-1.6
2480	21.9%	-6.6	-1.6
Average value	22.7%	-6.4	-1.7

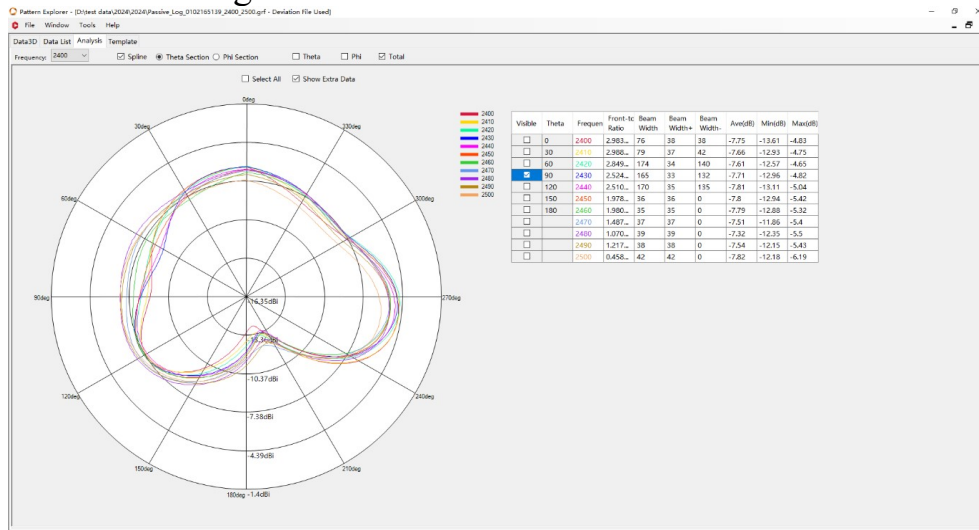
3D antenna radiation pattern:



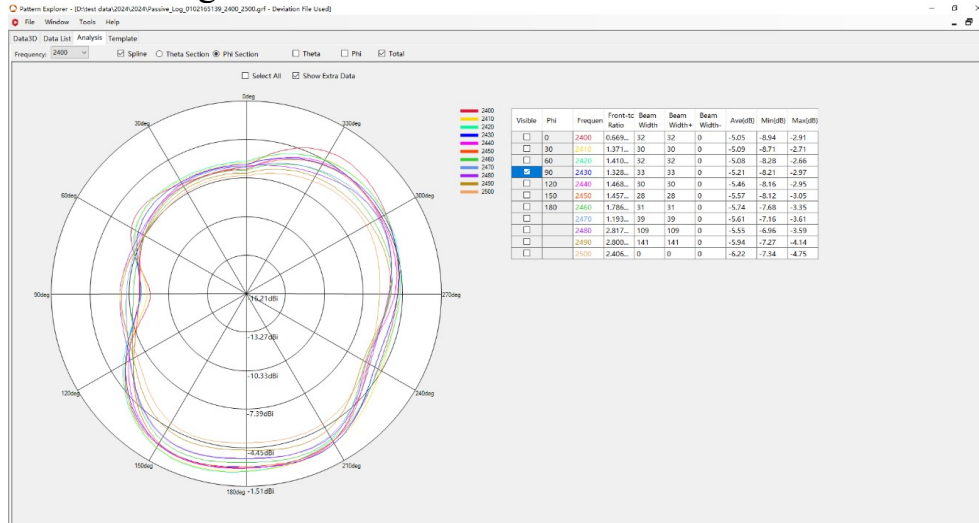


2D antenna radiation pattern:

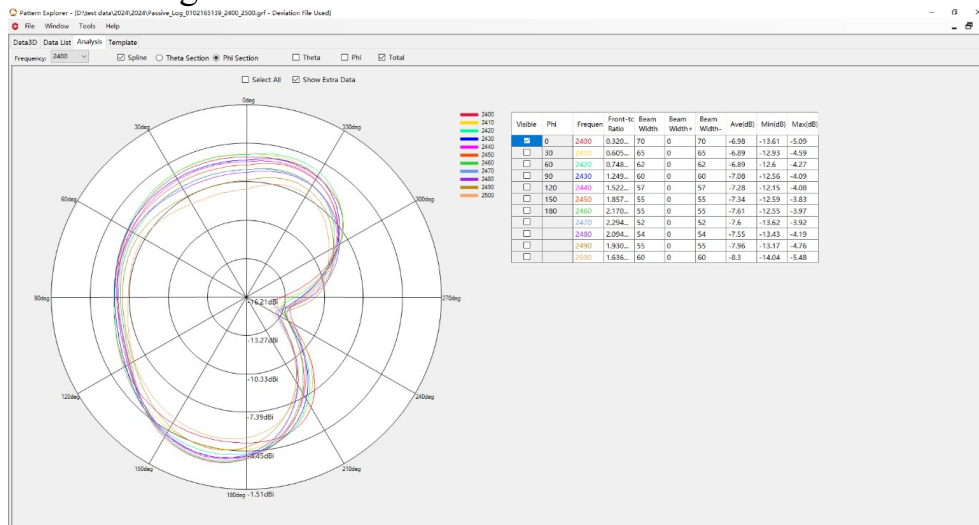
Theta=90.00deg



Phi=90.00deg

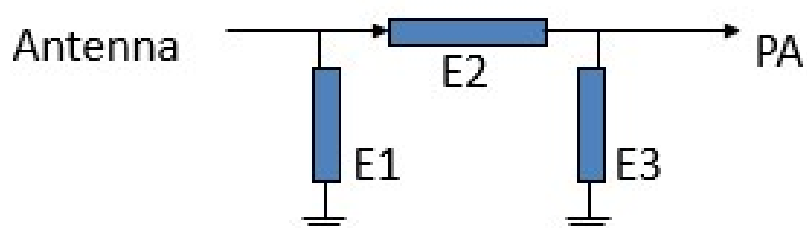


Phi=0.00deg





II: Matching circuit



图示编号	匹配值
E1	2.4PF
E2	0Ω
E3	NA



III: Structure file

