



Antenna Part Specification

Project name:	B310NC C-Dongle
Material category:	BT antenna
Antenna type:	monopole
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Version:	V1.0
Date:	2025.07.10



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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.07.10	First edition	First edition	V1.0

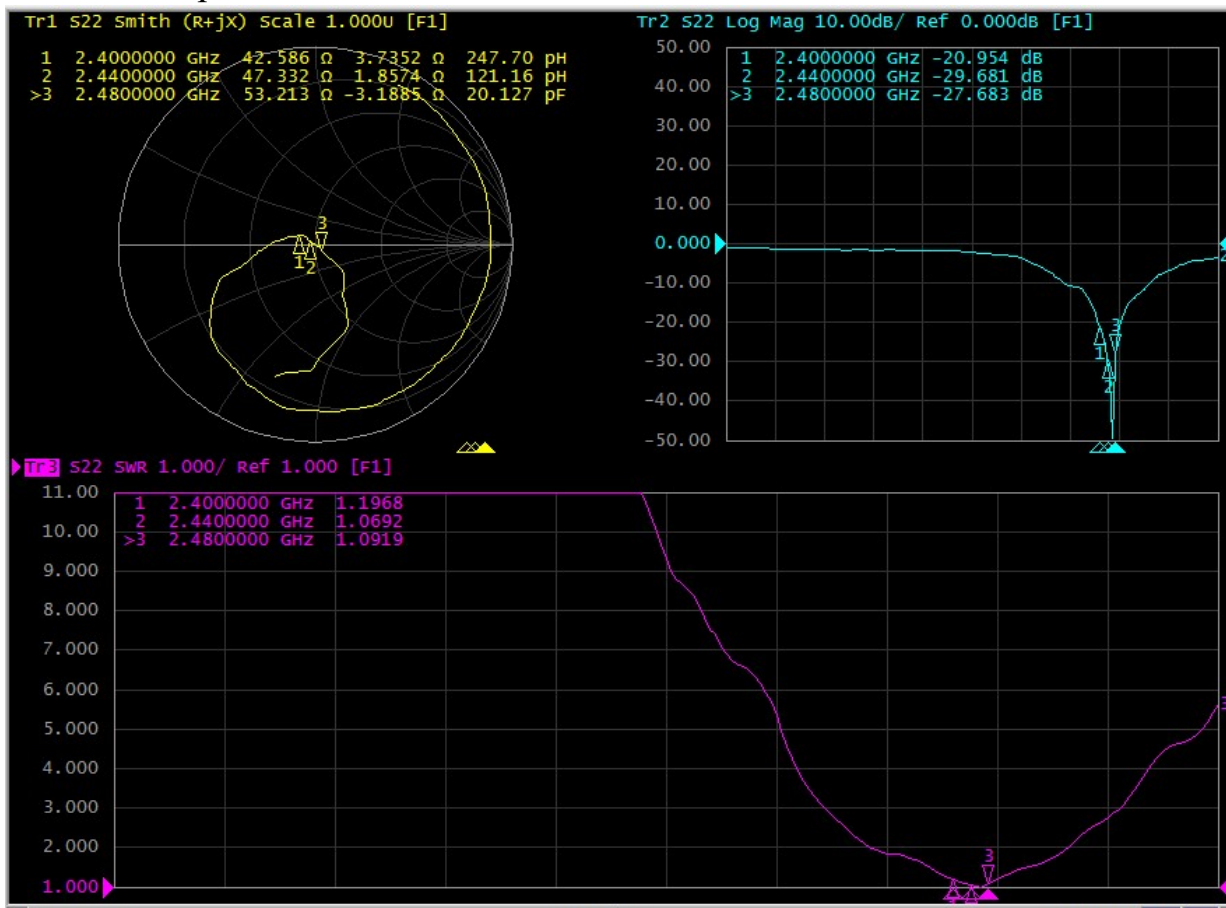


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

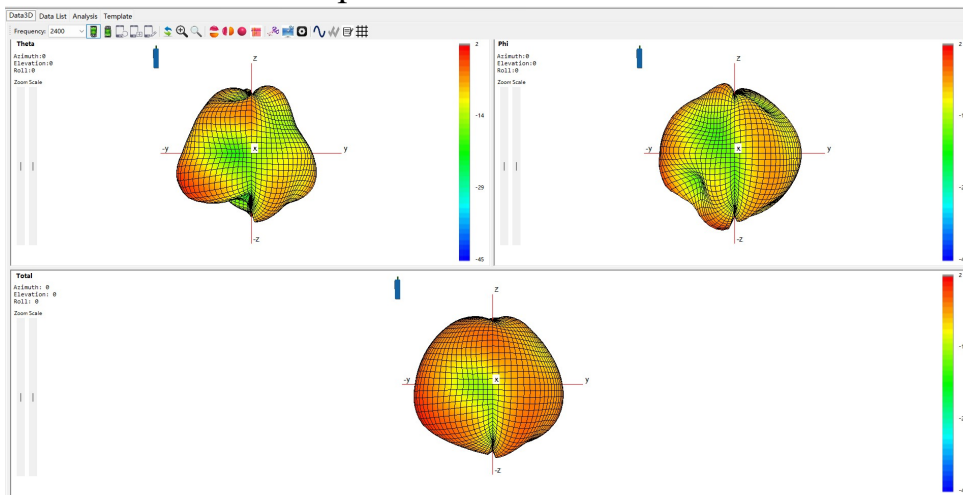




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	36.1	-4.4	1.1
2410	36.2	-4.4	1.0
2420	35.9	-4.4	1.0
2430	36.0	-4.4	1.0
2440	36.2	-4.4	1.0
2450	36.8	-4.3	1.1
2460	37.1	-4.3	1.1
2470	37.7	-4.2	1.2
2480	38.6	-4.1	1.3
AVG	36.7	-4.4	1.1

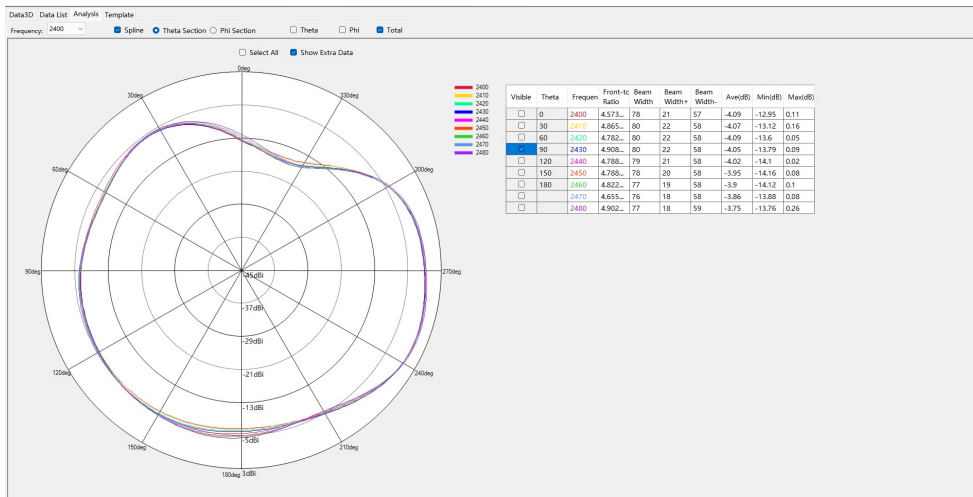
3D Antenna radiation pattern:



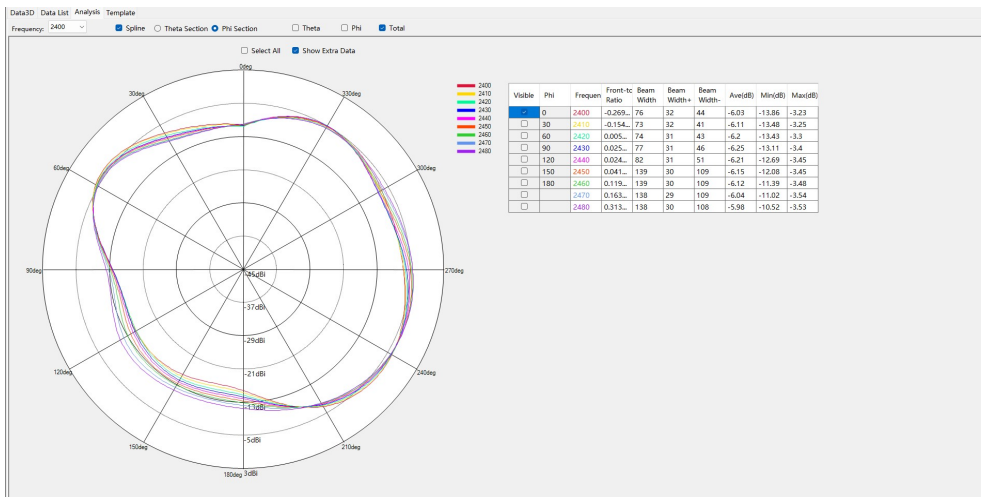


2D Antenna radiation pattern:

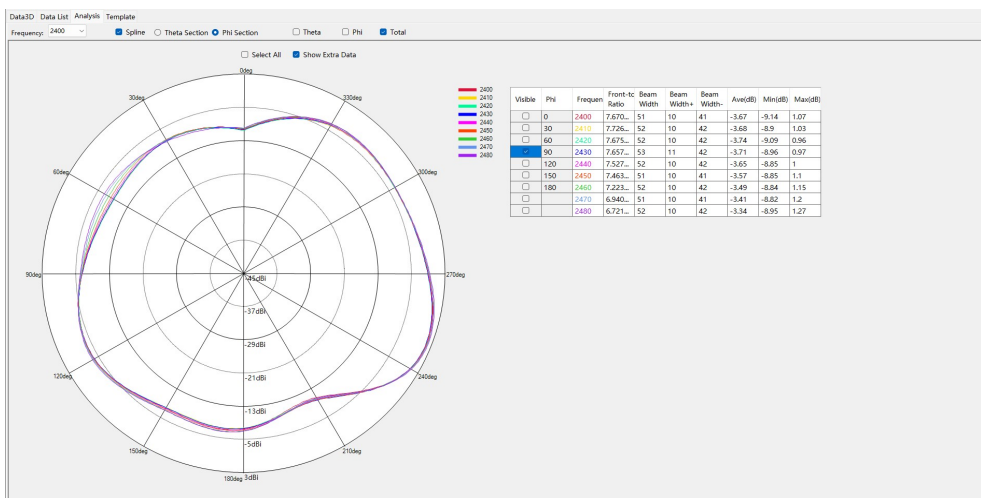
Theta=90°



Phi=0°



Phi=90°





II: 3D Active test report of antenna

1#	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	9.3	-94.2
	CH 39	9.7	-94.6
	CH 78	9.8	-94.8



OTA Standard Chamber

III: Matching circuit



IV: Antenna structure diagram file