



Antenna Part Specification

Project name:	B310NC
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

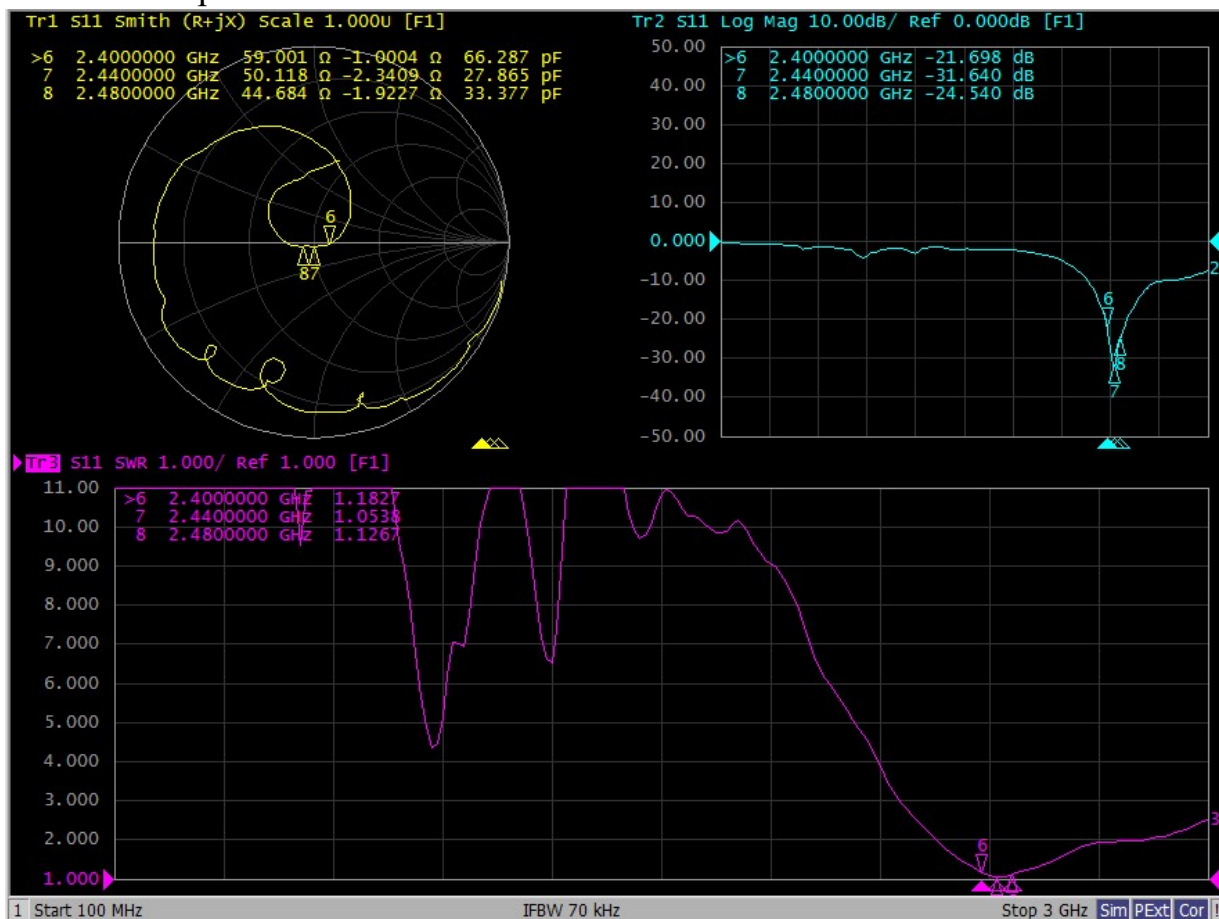


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

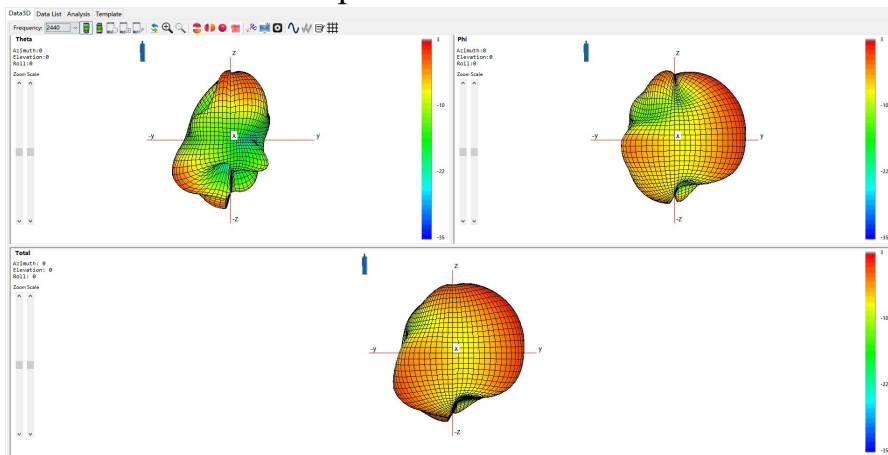




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	47.68	-3.22	1.81
2410	48.23	-3.17	1.90
2420	49.34	-3.07	2.08
2430	49.38	-3.06	2.10
2440	49.80	-3.03	2.13
2450	49.52	-3.05	2.08
2460	48.55	-3.14	1.98
2470	48.99	-3.10	1.96
2480	47.84	-3.20	1.80
AVG	48.81	-3.12	1.98

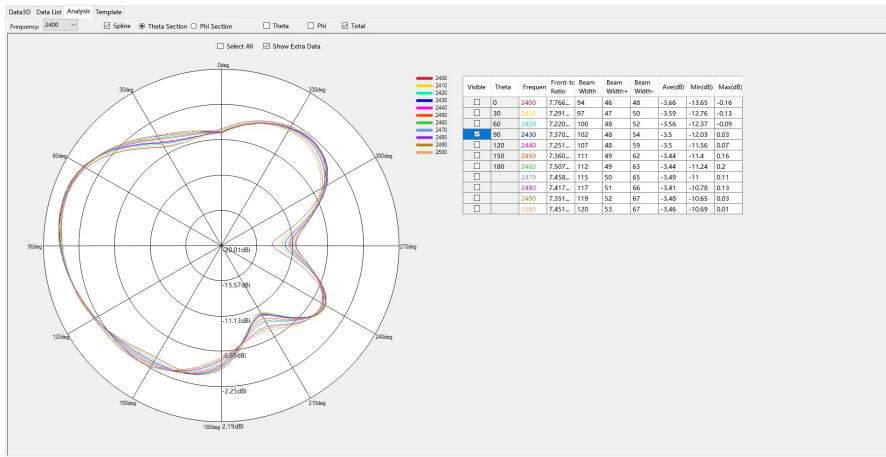
3D Antenna radiation pattern:



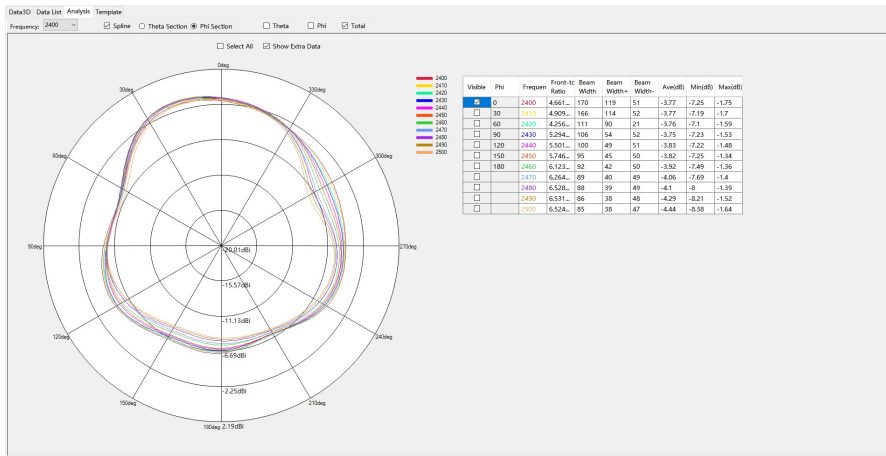


2D Antenna radiation pattern:

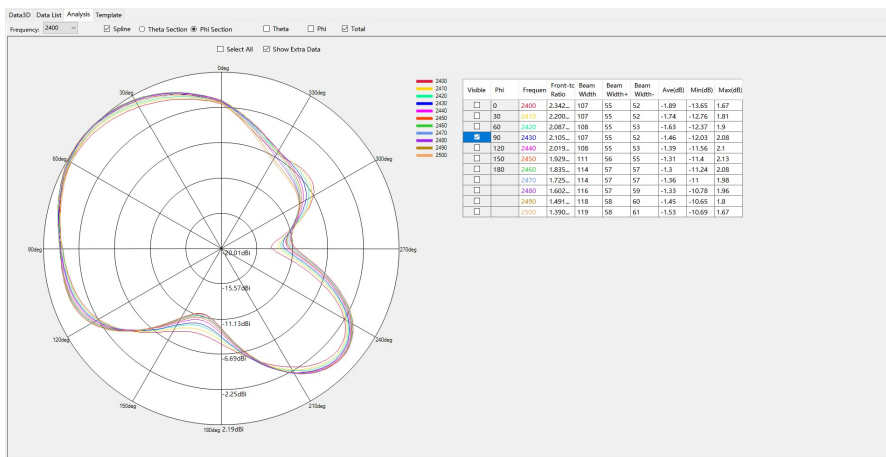
Theta=90°



Phi=0°



Phi=90°





II: 3D Active test report of antenna

	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	5.7	-93.4
	CH 39	5.8	-93.8
	CH 78	4.6	-93.6



OTA Standard Chamber



III: Matching circuit

IV: Antenna pasting position



V: Antenna structure diagram file