



Antenna Part Specification

Customer name:	Tianheng
Project name:	OLA
Materialcategory:	BLE Antenna
Version:	V2.0
Date:	2024.01.29



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Change record			
Compile / change date	Reason for change	Changed content	Version
2023.12.13	First edition	First edition	V1.0
2024.01.29	Mass production data	Mass production data	V2.0

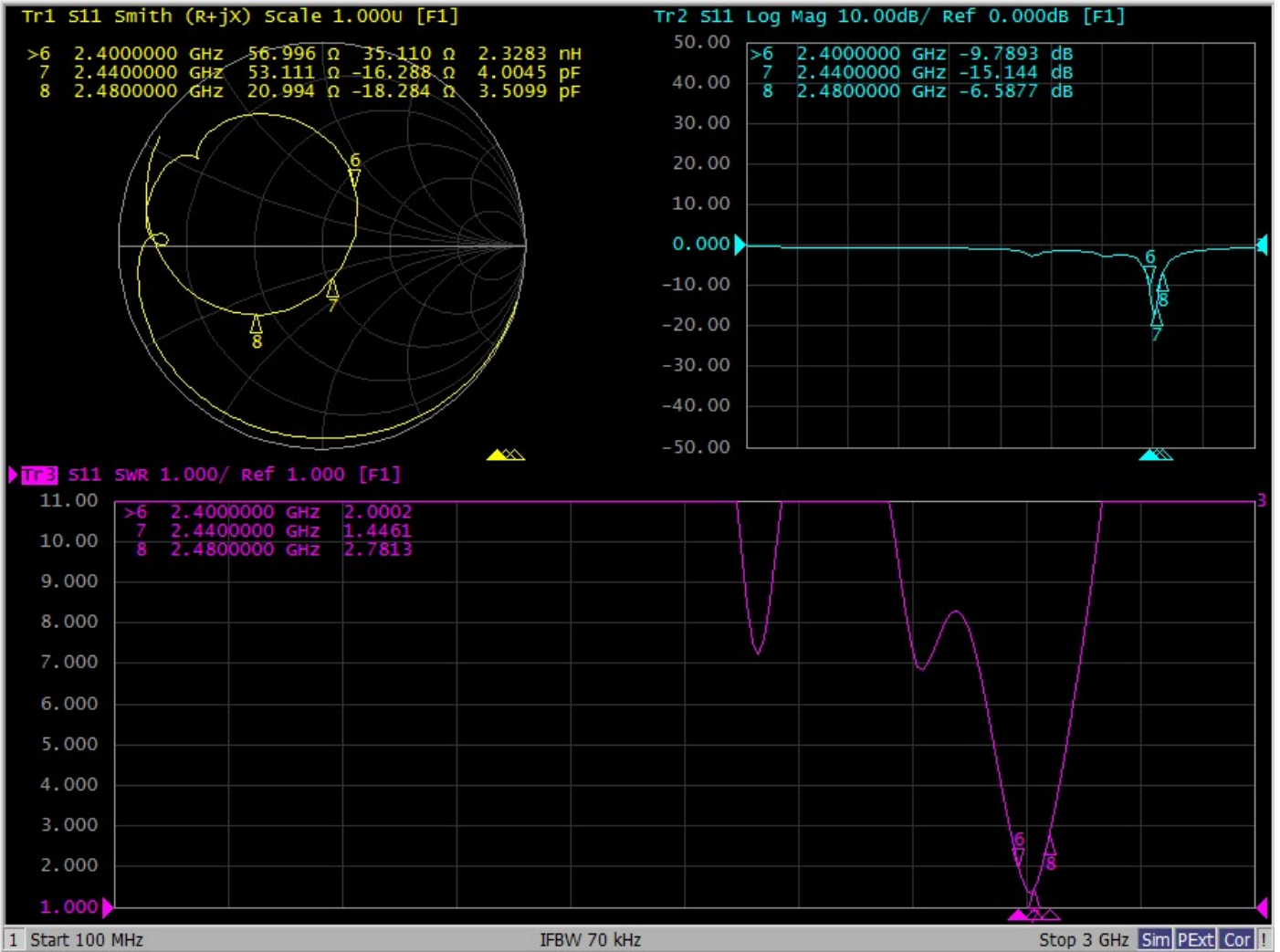


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:

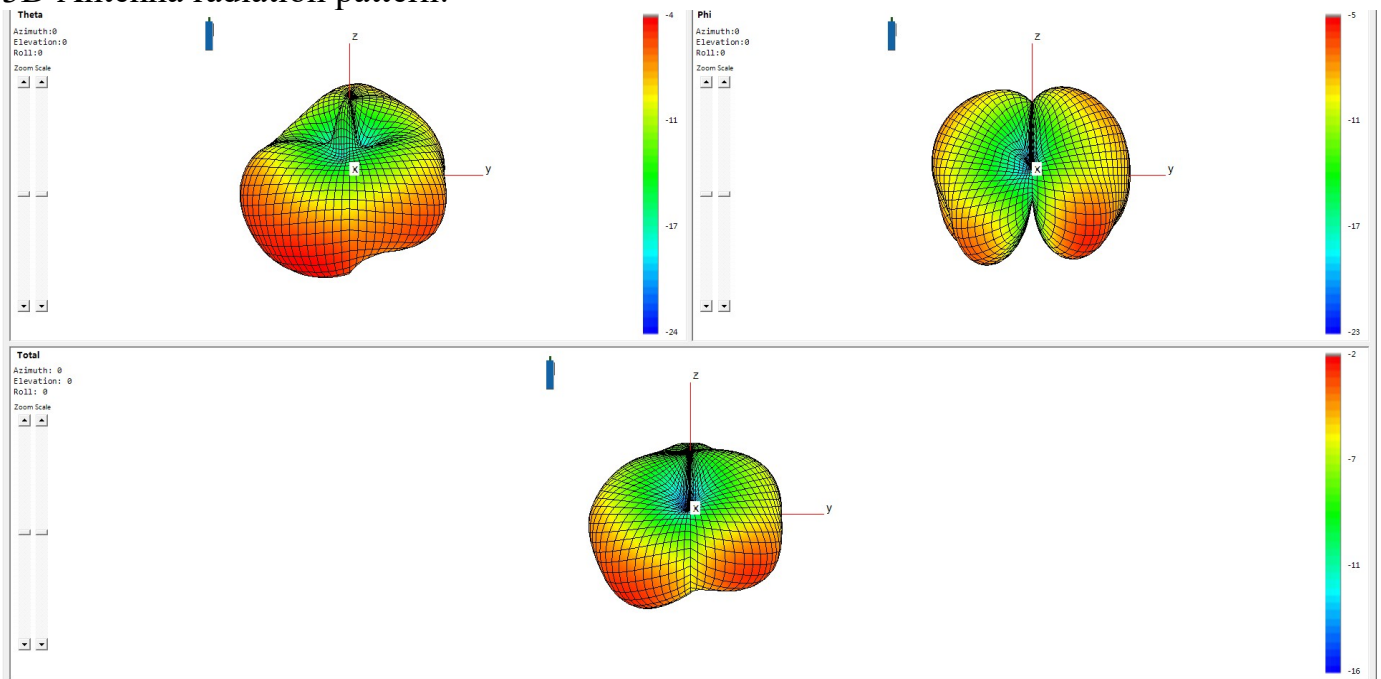




Efficiency:

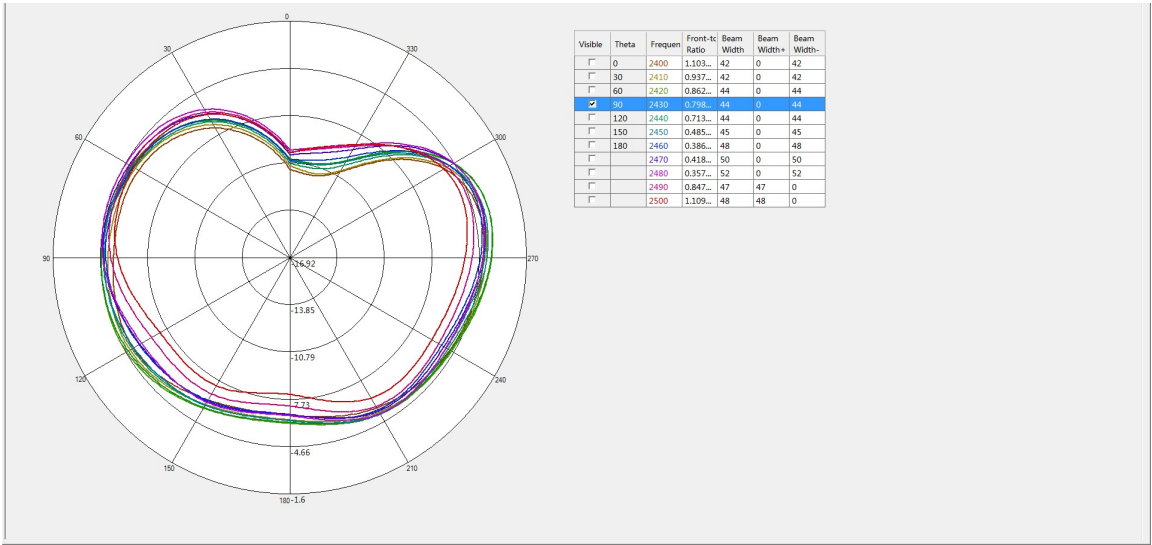
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-2.61	-6.58	21.95
2410	-2.16	-6.19	24.02
2420	-1.86	-5.89	25.76
2430	-1.85	-5.89	25.78
2440	-2.01	-6.02	24.98
2450	-2.06	-5.99	25.17
2460	-2.31	-6.25	23.69
2470	-2.18	-6.22	23.90
2480	-2.33	-6.28	23.56
Average value	-2.15	-6.15	24.31

3D Antenna radiation pattern:

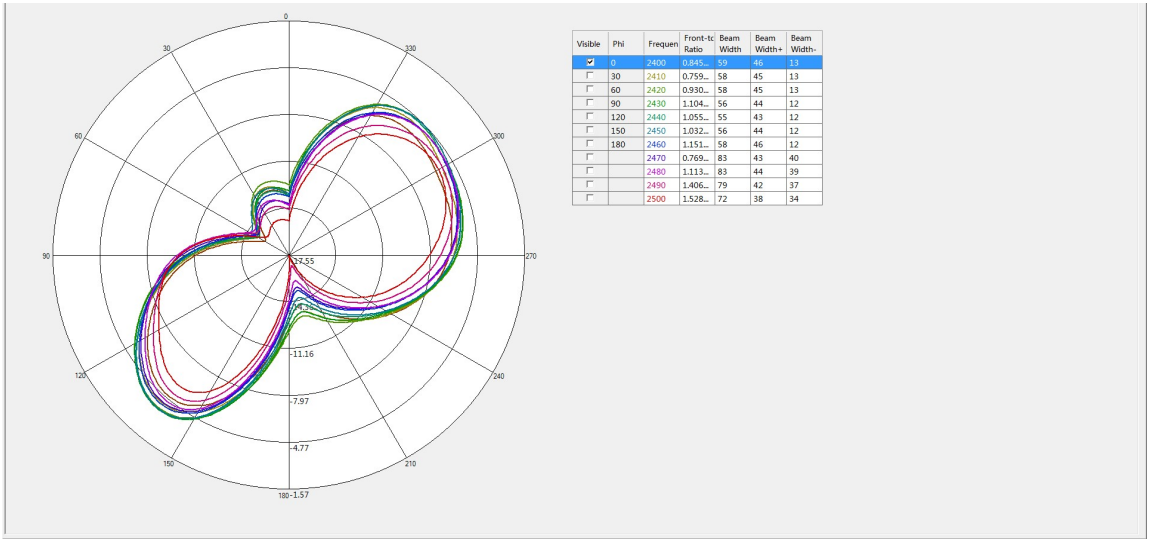




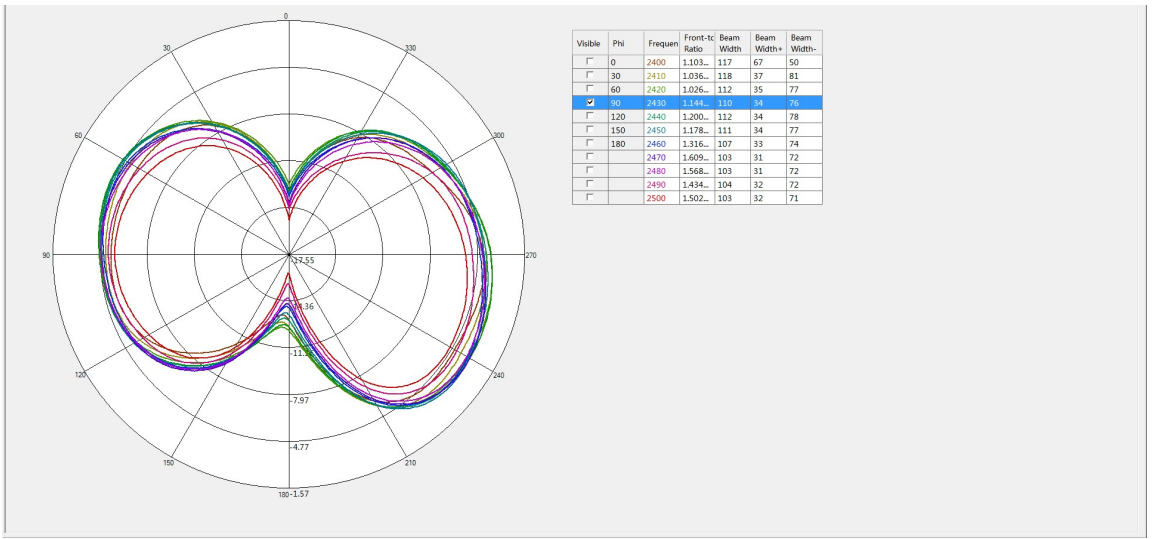
2D Antenna radiation pattern:
Theta=90°



Phi=0°



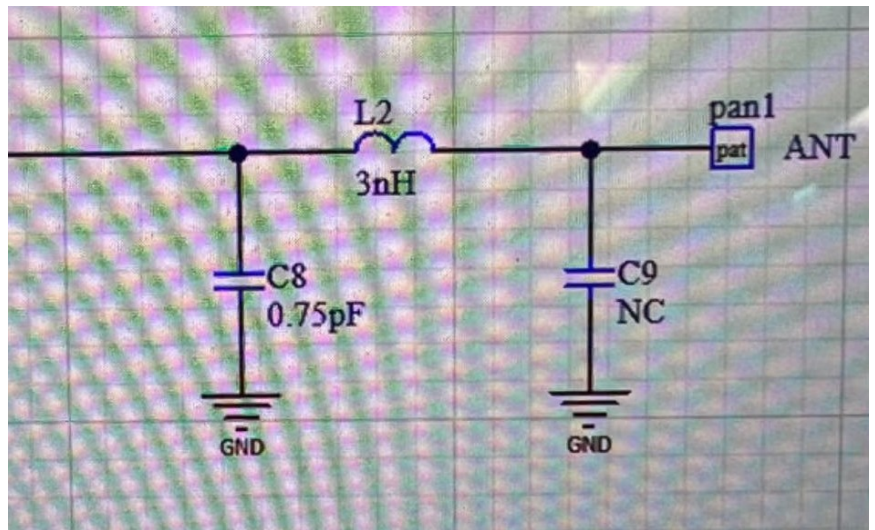
Phi=90°





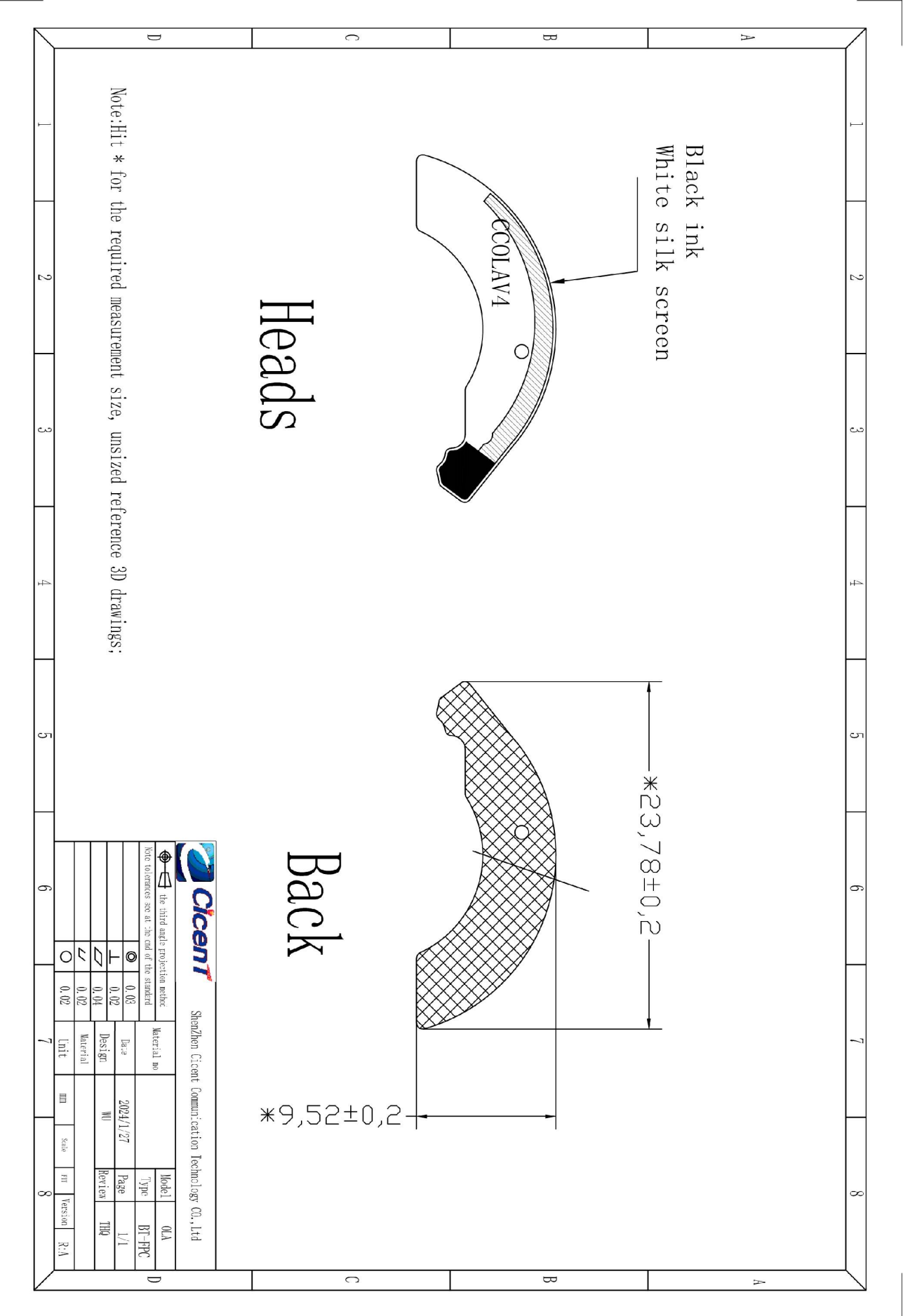
II: Matching circuit

Element	Value
C8(0201)	N/A
L2(0201)	0Ω
C9(0201)	2.4pF





III: Structure file



		Shenzhen Cicent Communication Technology Co., Ltd	
	the third angle projection method	Material no	Model 01A
	Hole tolerance see at the end of the standard	Base	Type DT-FPC
	0.03	Date	Page 1/1
	0.02	Design	Revision THQ
	0.04	Material	
	0.02	Unit	
	0.02	mm	
		Scale	mm
		Version	R-A