



Antenna Part Specification

Project name:	Q850
Antenna name:	2.4G antenna
Customer Part Number:	JXY-018252-0
Version:	V2.0
Date:	2026.4.8
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,A Block,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china



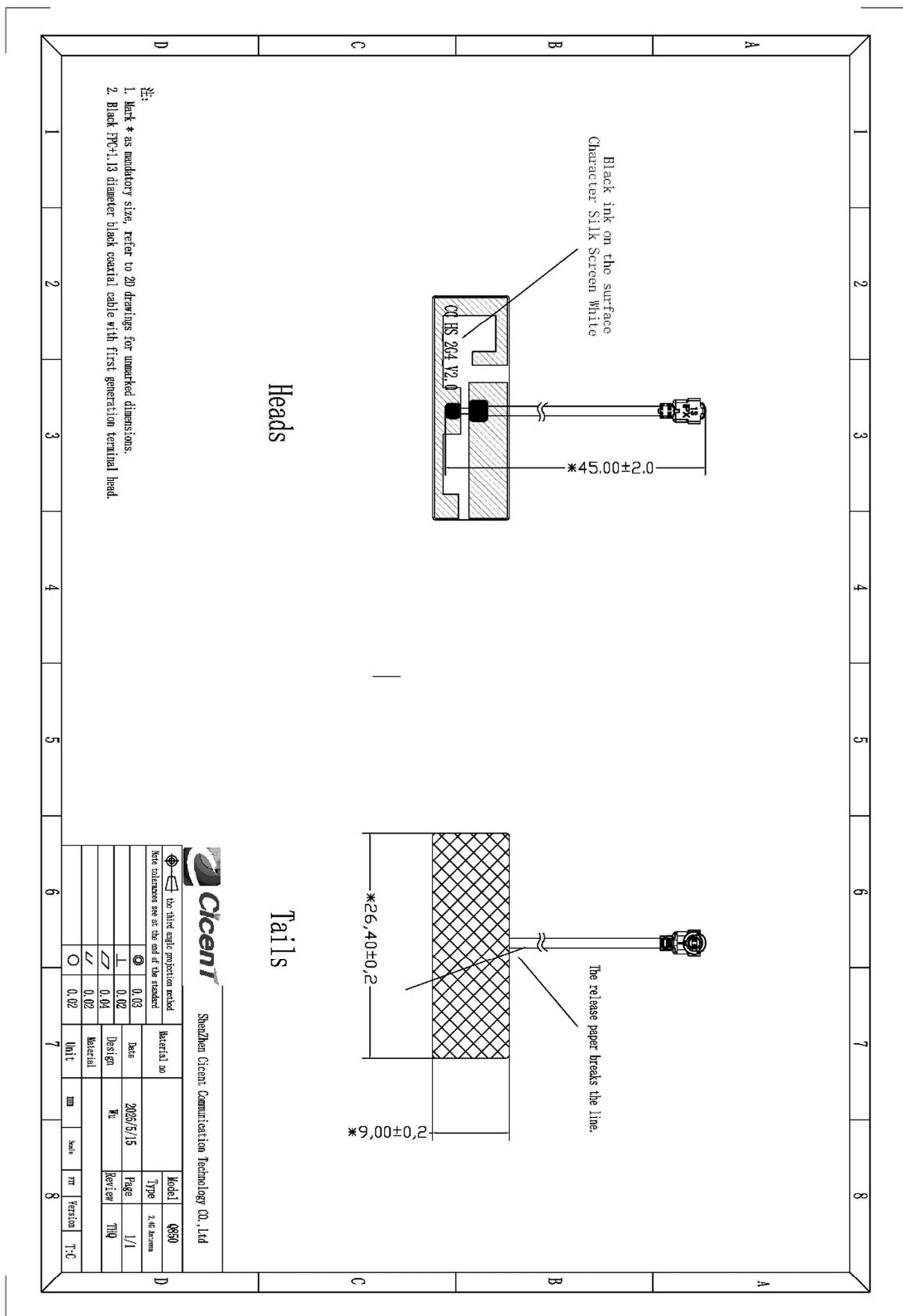
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Change record			
Compile / change date	Reason for change	Changed content	Version
2026.01.16	First edition	First edition	V1.0
2026.04.08	update information	update information	V2.0



I: Antenna structure diagram file



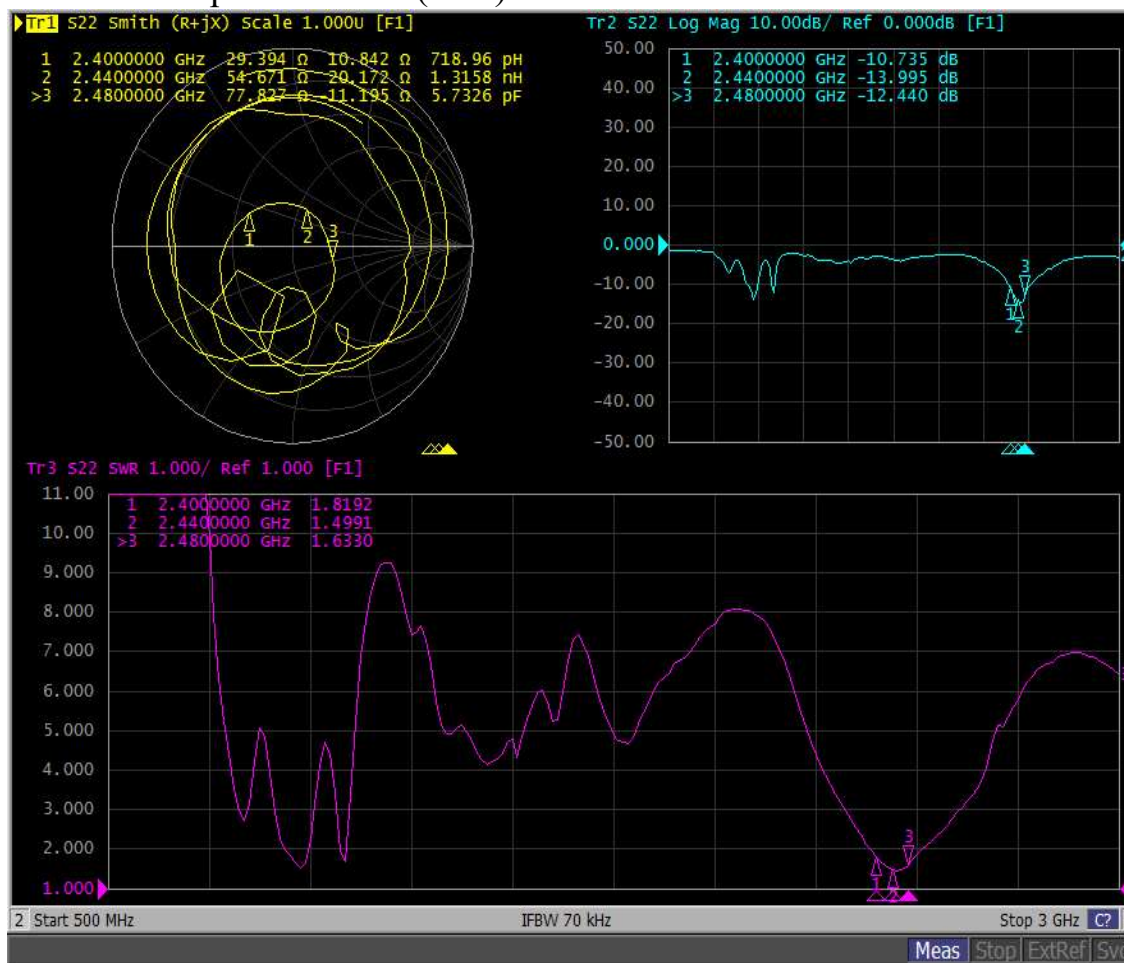


II: The report of passive data



Angilent E5071C

Antenna S11 parameter: (Free)

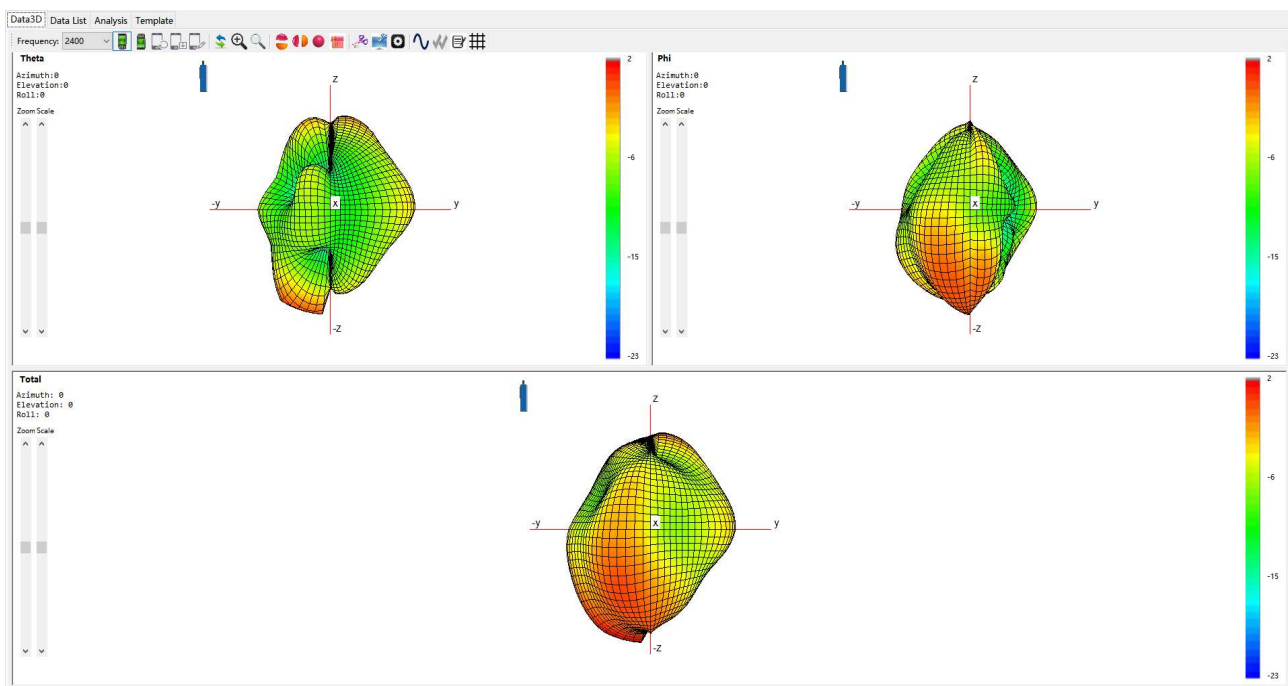




Antenna efficiency and gain: (Free)

2400-2480MHz			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-2.9	1.7	51.18
2410	-2.8	1.8	52.56
2420	-2.7	1.9	53.36
2430	-2.8	1.9	52.52
2440	-2.9	1.8	51.46
2450	-3.0	1.8	50.62
2460	-3.1	1.7	49.23
2470	-3.1	1.8	48.75
2480	-3.1	1.8	49.12
average	-2.9	1.8	50.98

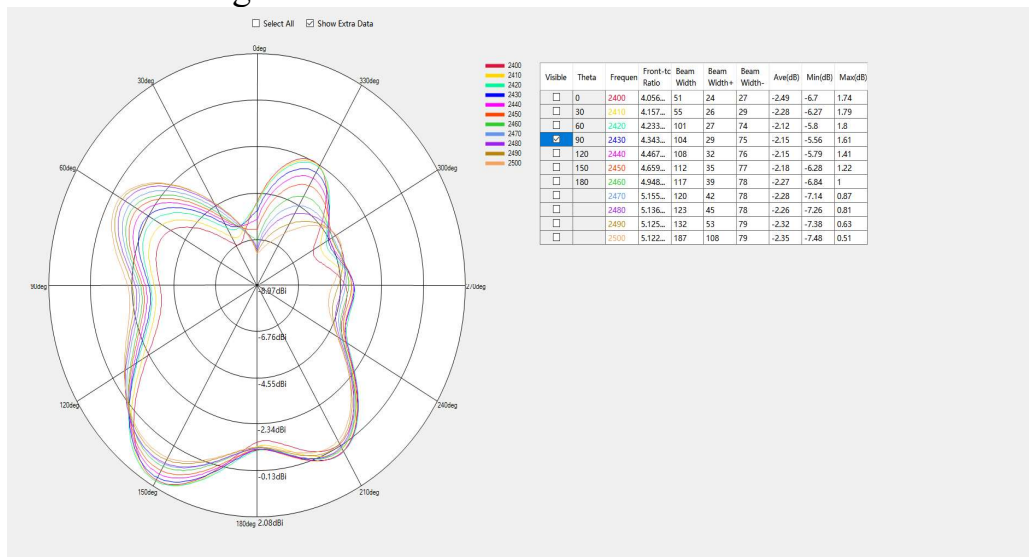
3D Antenna radiation pattern: (Free)



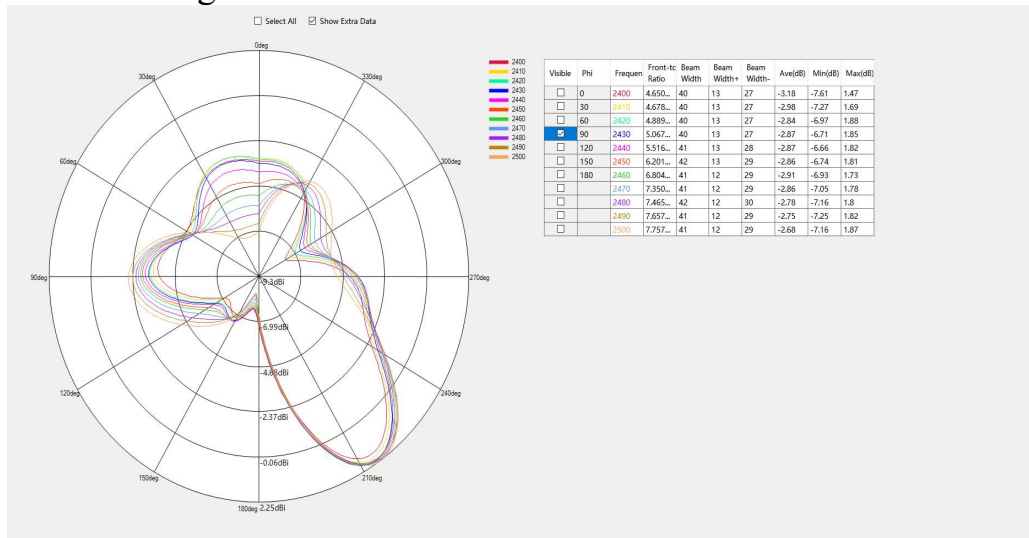


2D Antenna radiation pattern: (Free)

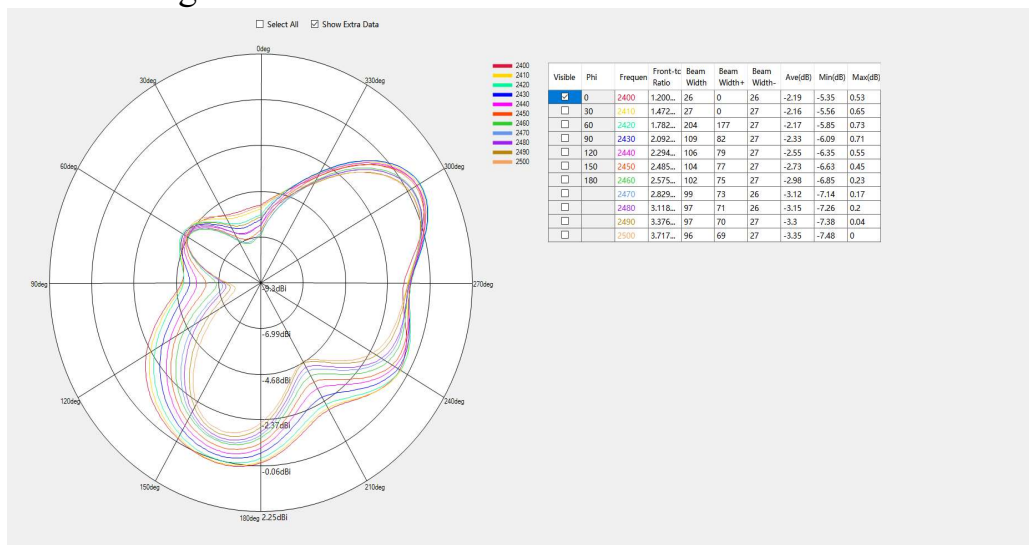
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg

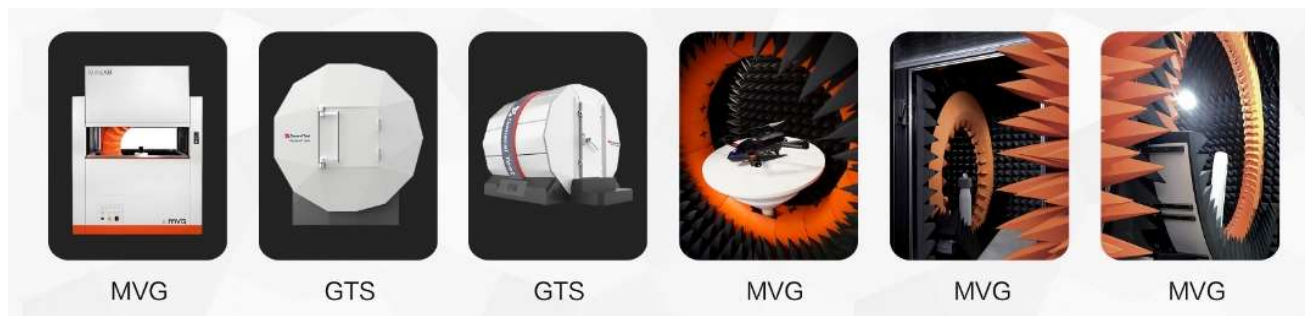




III: 3D Active test report of antenna

		Free	
	Channel	TRP (dBm)	TIS (dBm)
2.4G	CH 0	7.9	-93.9
	CH 39	8.3	-94.0
	CH 78	8.1	-94.0

		head model	
	Channel	TRP (dBm)	TIS (dBm)
2.4G	CH 0	6.9	-92.9
	CH 39	7.2	-92.9
	CH 78	7.1	-93.2



OTA Standard Chamber