



Antenna Part Specification

Project name:	B07
Antenna name:	L-BT antenna
Version:	V1.0
Date:	2026.4.23
Manufacturer:	Shenzhen Cicent Communication Technology Co., Ltd.
Manufacturer address:	505-506 ,ABlock,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
2026.4.23	First edition	First edition	V1.0

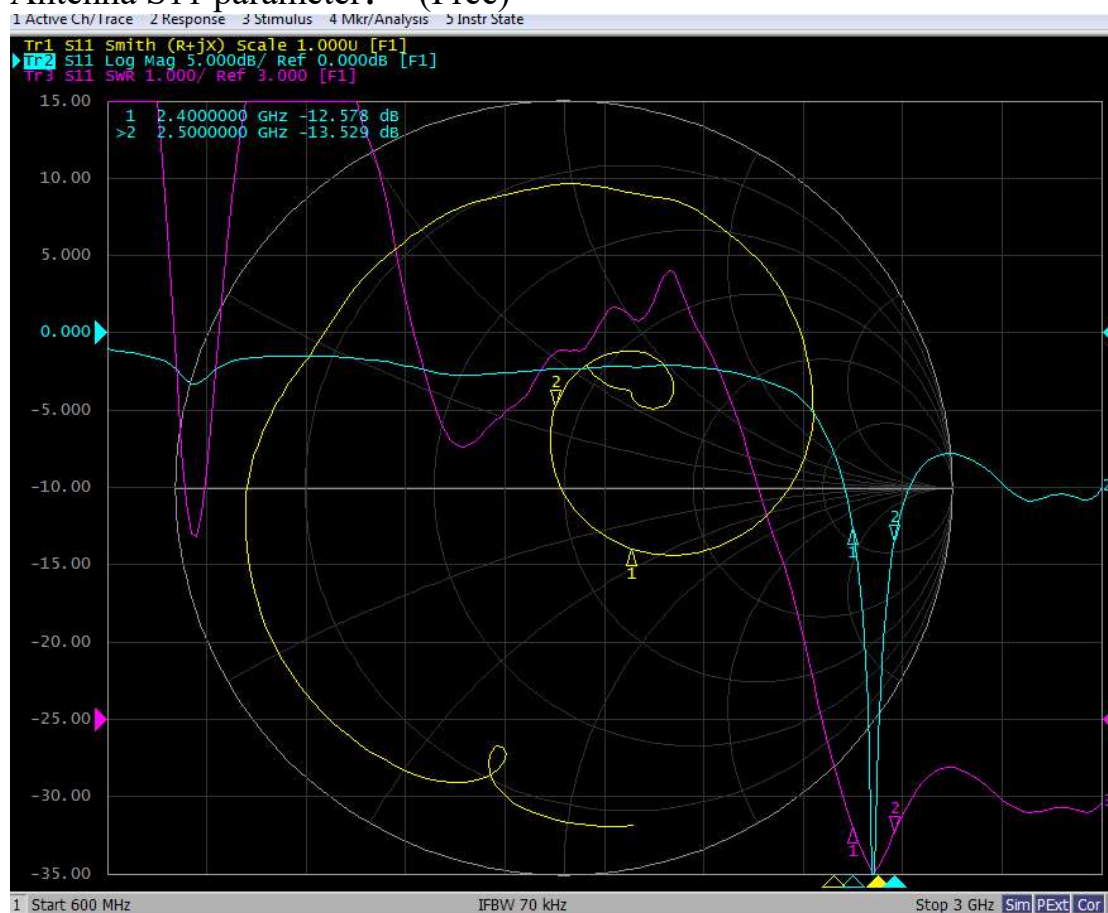


I: The report of passive data



Agilent E5071C

Antenna S11 parameter: (Free)

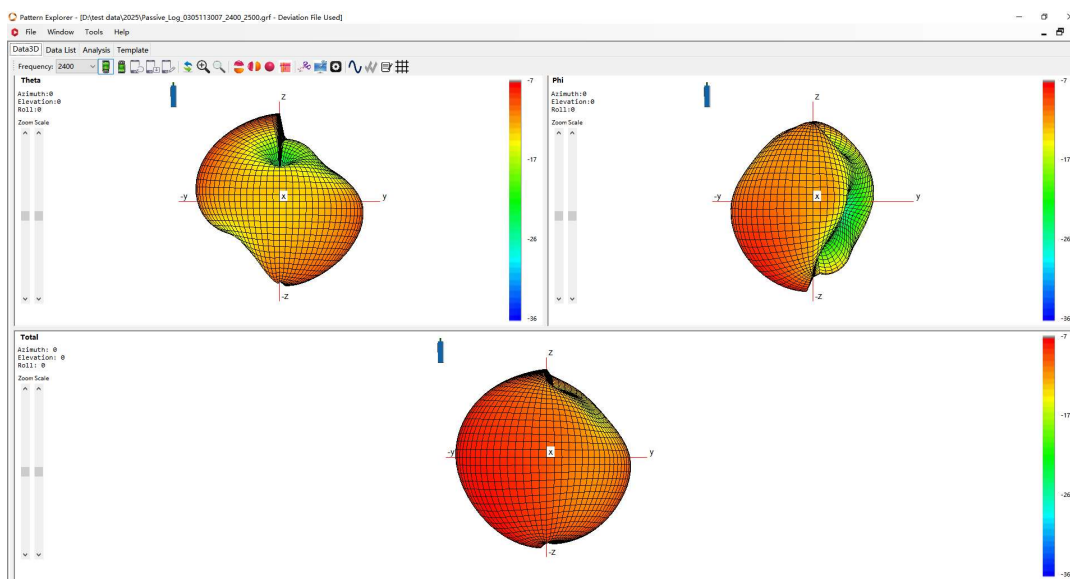




Antenna efficiency and gain: (Free)

L Free			
Frequency	EFF (dB)	GAIN	EFF (%)
2400	-9.05	-7.01	12.46
2410	-8.80	-6.62	13.18
2420	-8.54	-6.27	14.01
2430	-8.38	-5.95	14.53
2440	-8.19	-5.63	15.17
2450	-8.06	-5.30	15.63
2460	-8.01	-5.05	15.82
2470	-7.98	-4.82	15.92
2480	-7.94	-4.60	16.06
2490	-7.98	-4.45	15.92
2500	-8.01	-4.31	15.80

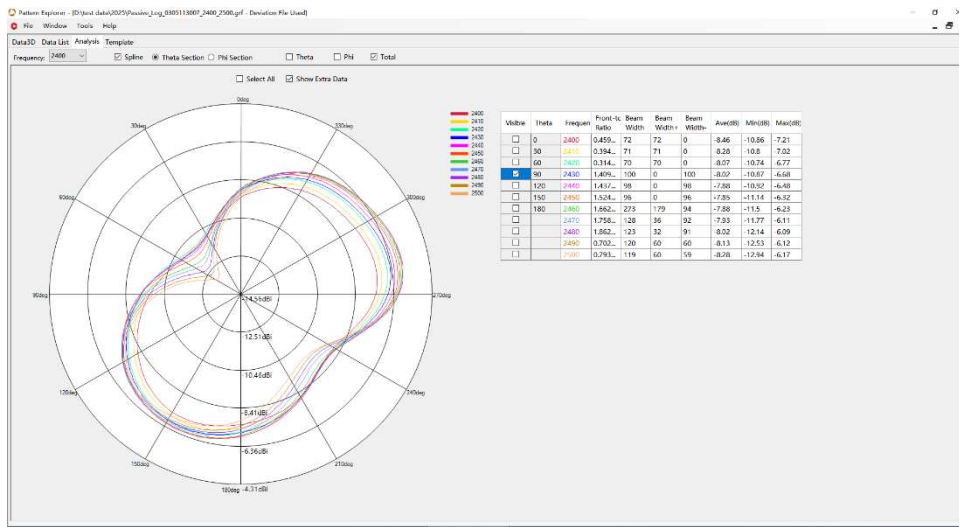
3D Antenna radiation pattern: (Free)



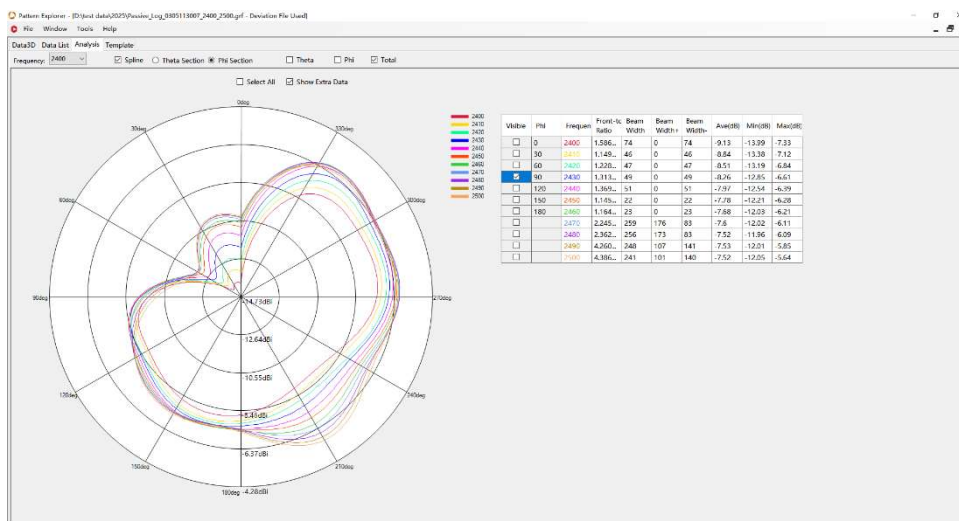


2D Antenna radiation pattern: (Free)

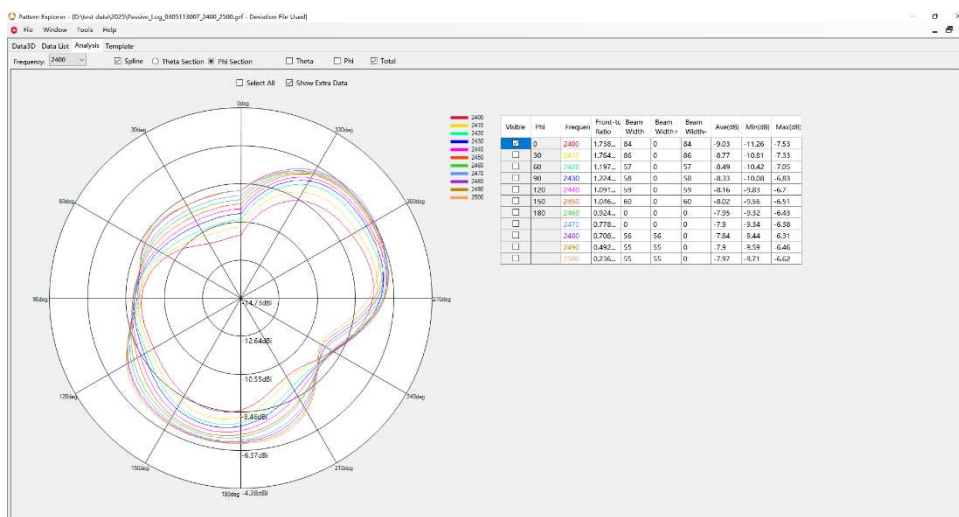
Theta = 90°



Phi=90°



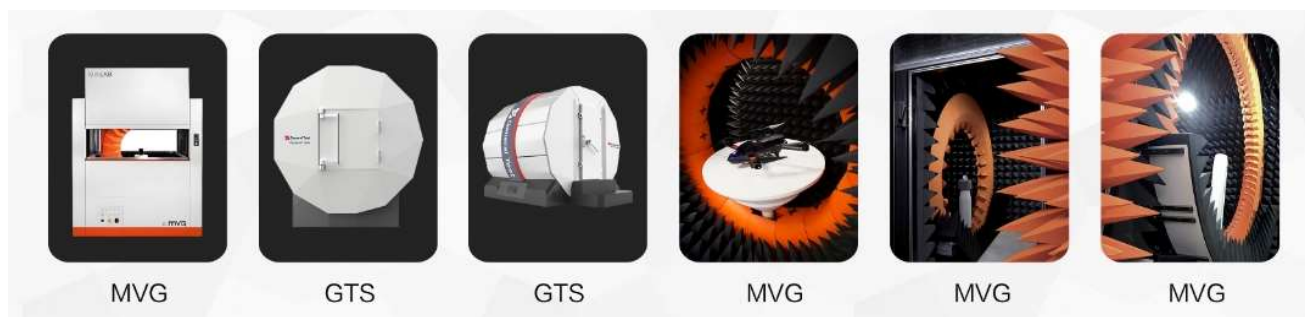
Phi=0°





II: 3D Active test report of antenna

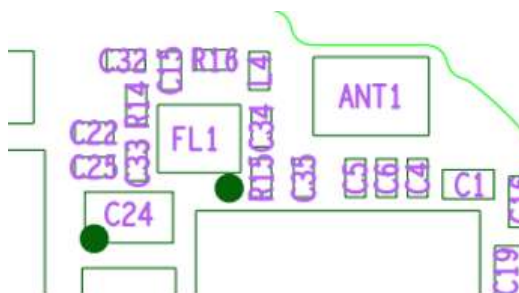
		Free	
	Channel	TRP (dBm)	TIS (dBm)
L	0	4.2	-86.9
	39	5.5	-88.4
	78	4.2	-87.0



OTA Standard Chamber

III: Antenna matching circuit

Element	Value
L4	1.2pF
R16	3.9nH
C15	N/A





IV: Antenna structure diagram file

