



Antenna Part Specification

Project name:	NT25211
Antenna name:	L-BT antenna
Version:	V1.0
Date:	2026.3.23
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
2026.3.23	First edition	First edition	V1.0

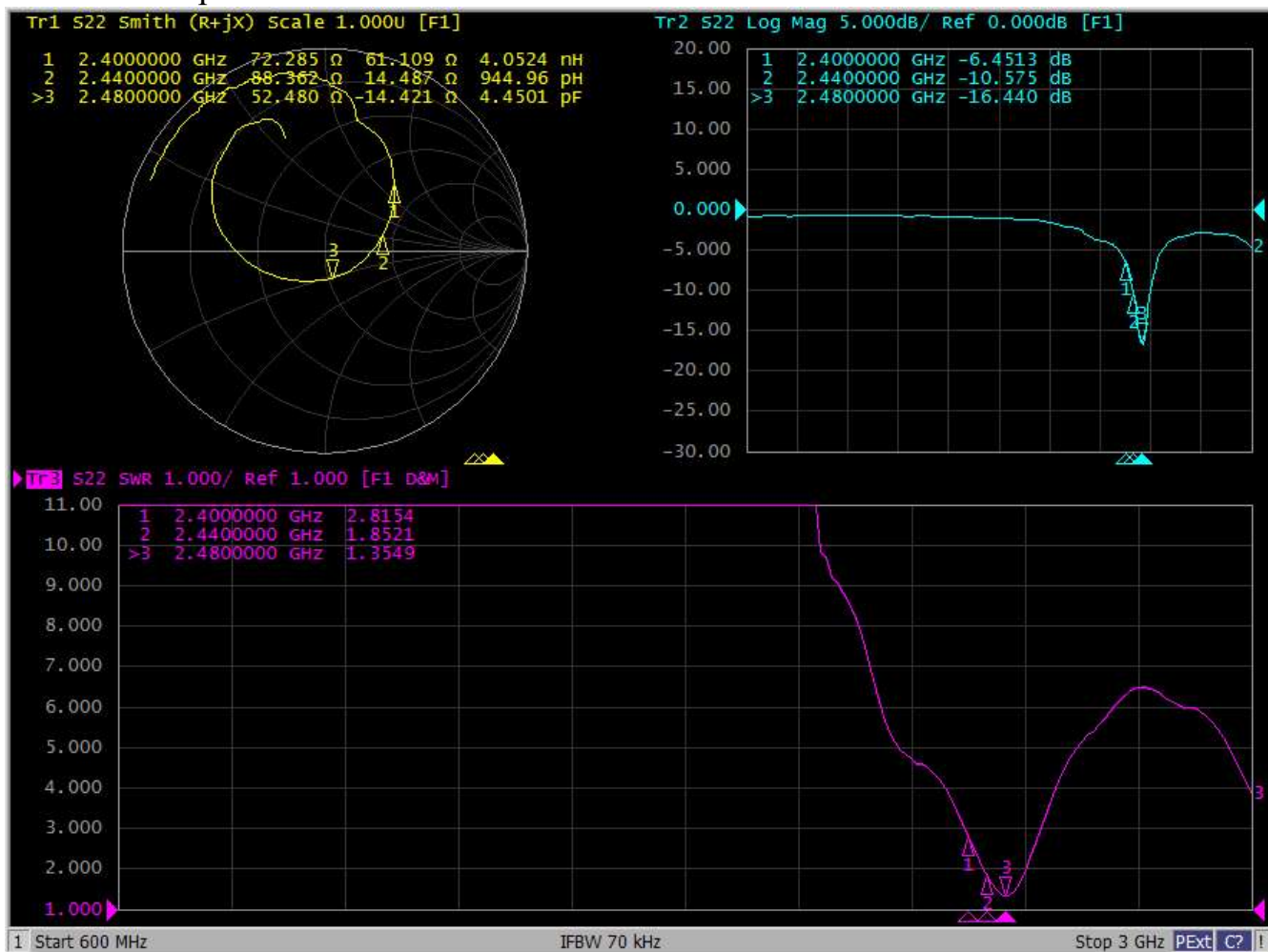


I: The report of passive data



Angilent E5071C

Antenna S11 parameter:

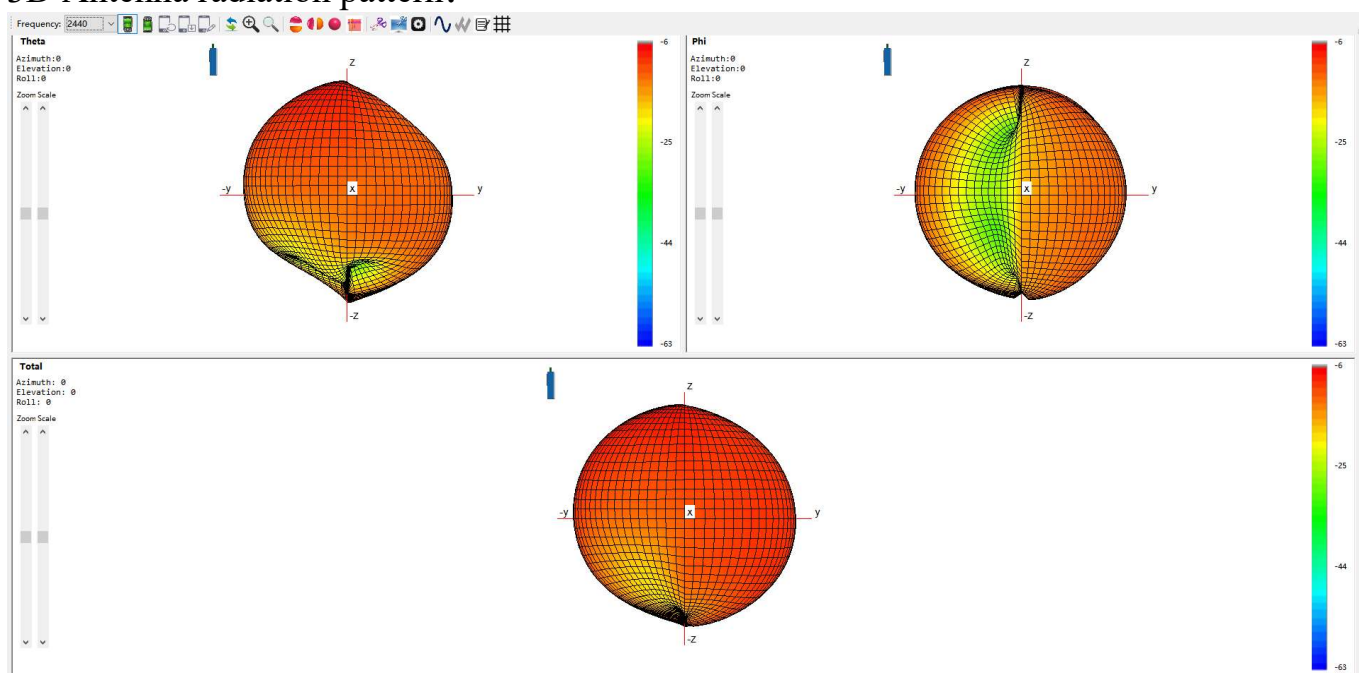




Antenna efficiency and gain:

L			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-9.61	-6.99	10.93
2410	-9.54	-6.87	11.11
2420	-9.46	-6.59	11.32
2430	-9.44	-6.44	11.37
2440	-9.33	-6.29	11.68
2450	-9.13	-6.12	12.23
2460	-8.92	-6.03	12.82
2470	-8.65	-5.63	13.66
2480	-8.40	-5.38	14.44
2490	-8.37	-5.30	14.56
2500	-8.40	-5.24	14.46
average	-9.02	-6.08	12.60

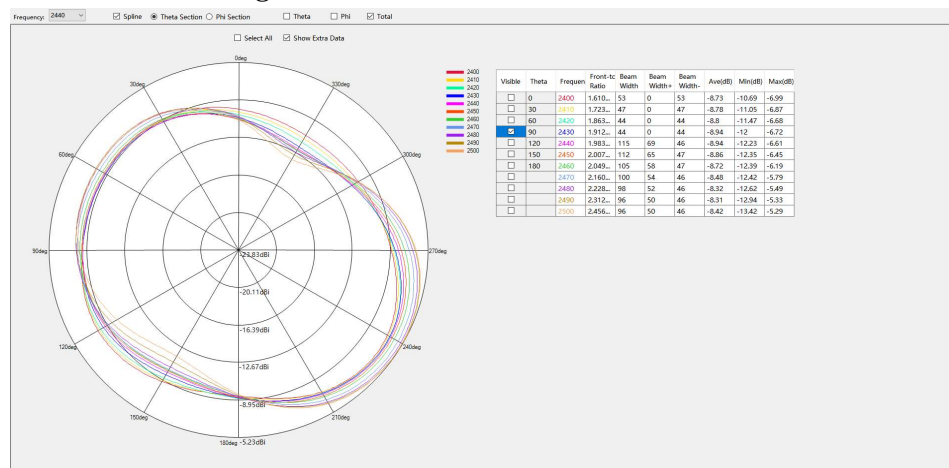
3D Antenna radiation pattern:



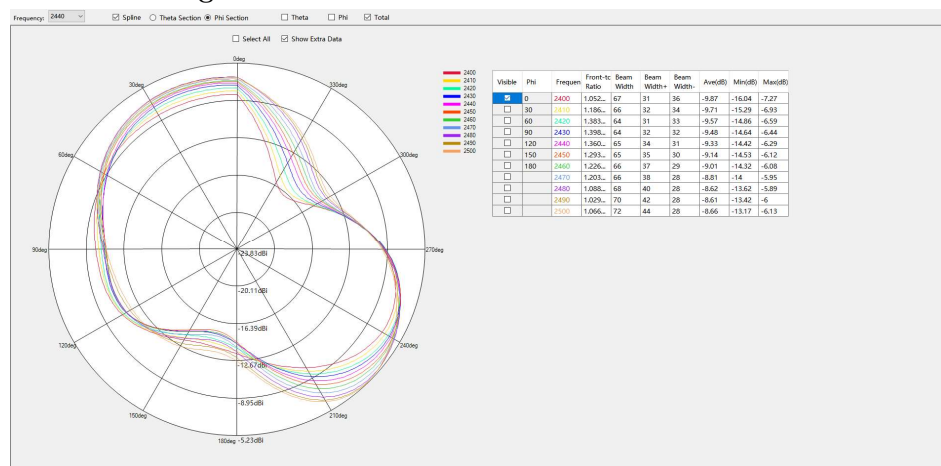


2D Antenna radiation pattern:

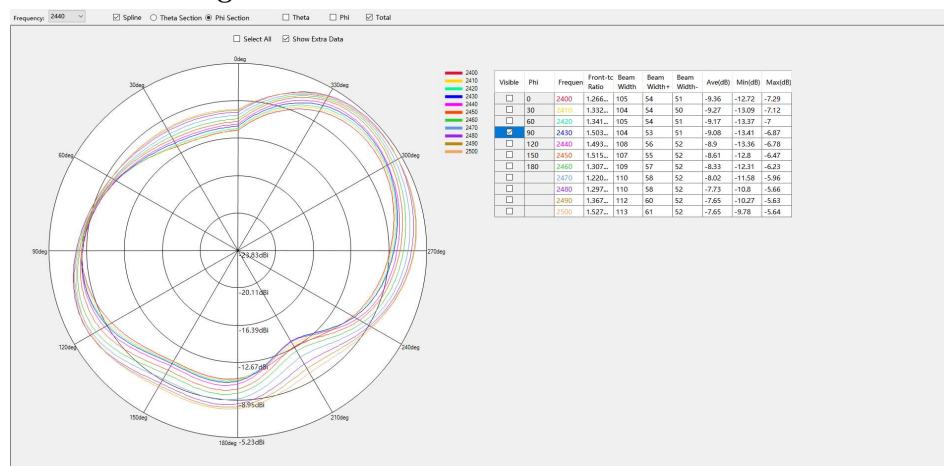
Theta=90.00deg



Phi=0.00deg



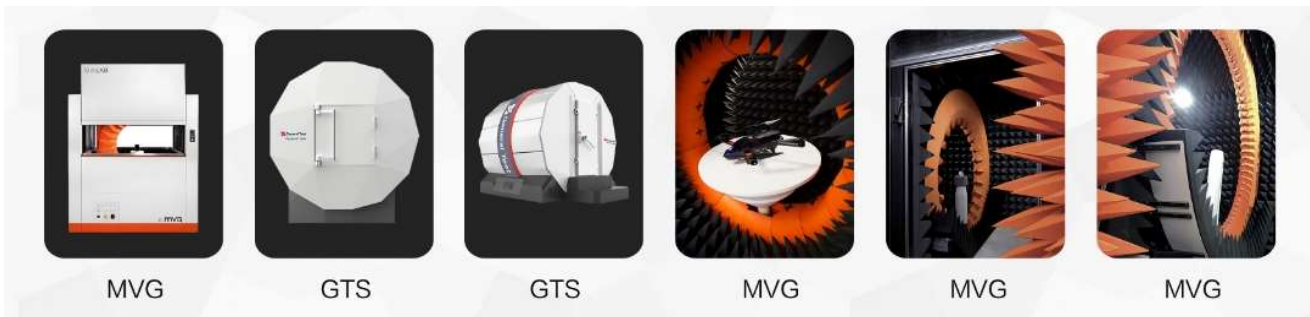
Phi=90.00deg





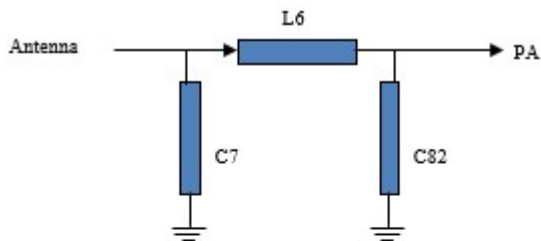
II: 3D Active test report of antenna

		free		head model	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
L	CH 0	4.9	-89.2	0.5	-83.6
	CH 39	6.5	-90.0	1.3	-84.1
	CH 78	7.2	-89.9	0.8	-84.1

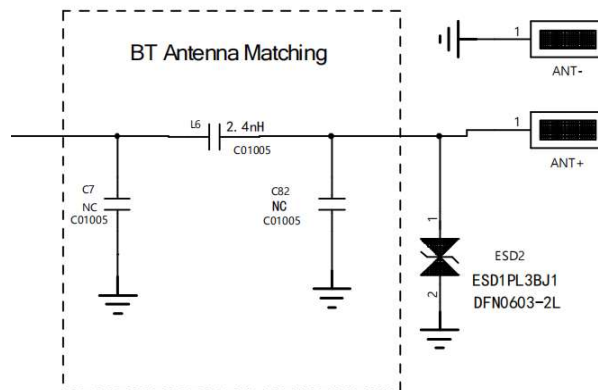


OTA Standard Chamber

III: Antenna matching circuit



Element	Value
ESD2	ESD
C82(01005)	1.5nH
L6(01005)	0Ω
C7(01005)	N/A





V: Antenna structure diagram file

