



Antenna Part Specification

Project name:	NT25211
Antenna name:	R-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



Contents

I: The report of passive data	3
II: 3D Active test report of antenna	6
III: Antenna matching circuit	6
IV: Precautions for Handling the Whole Machine Environment.....	7
V: Antenna structure diagram file	8

Change record			
Compile / change date	Reason for change	Changed content	Version
2026.3.23	First edition	First edition	V1.0

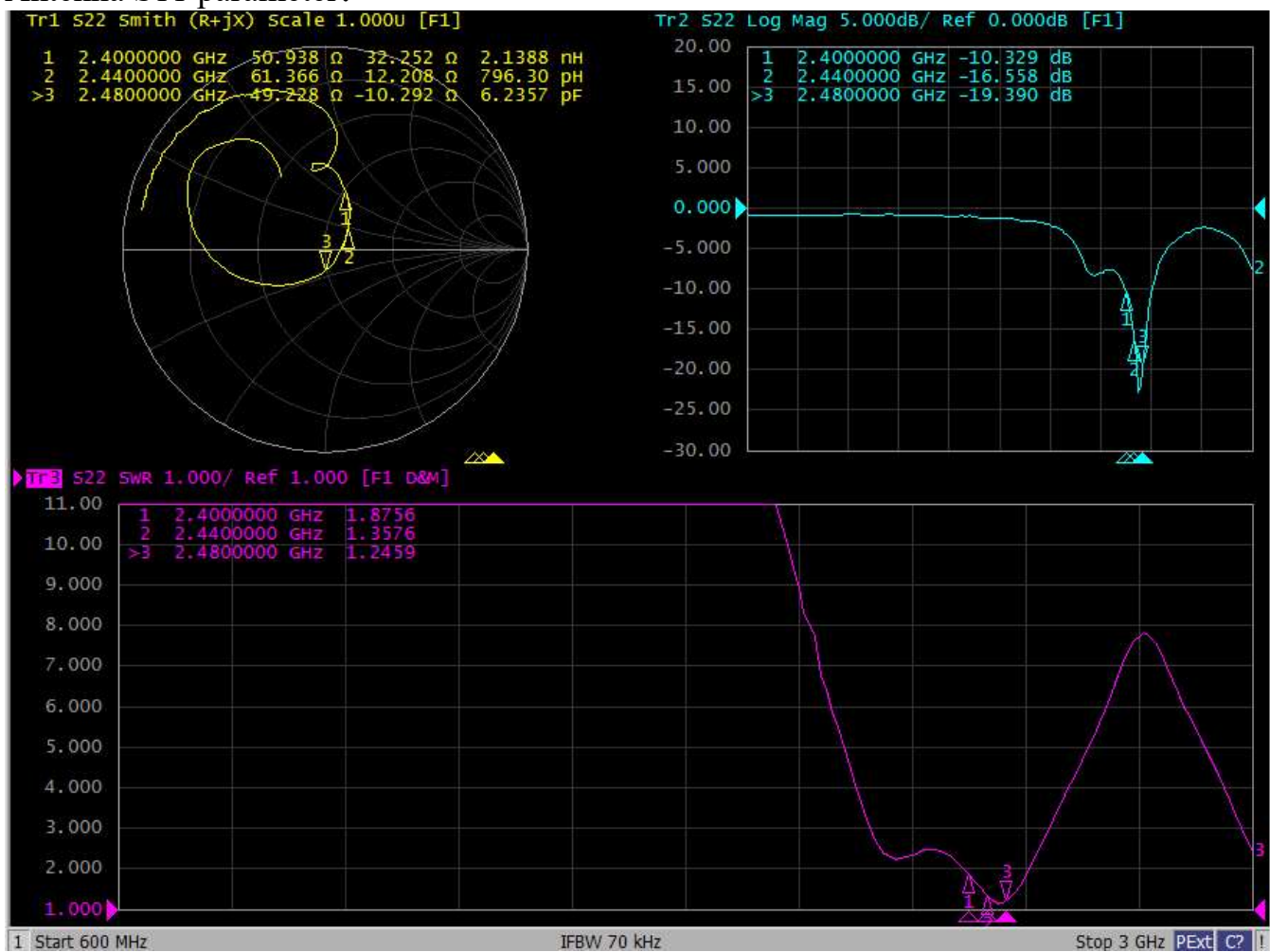


I: The report of passive data



Angilent E5071C

Antenna S11 parameter:

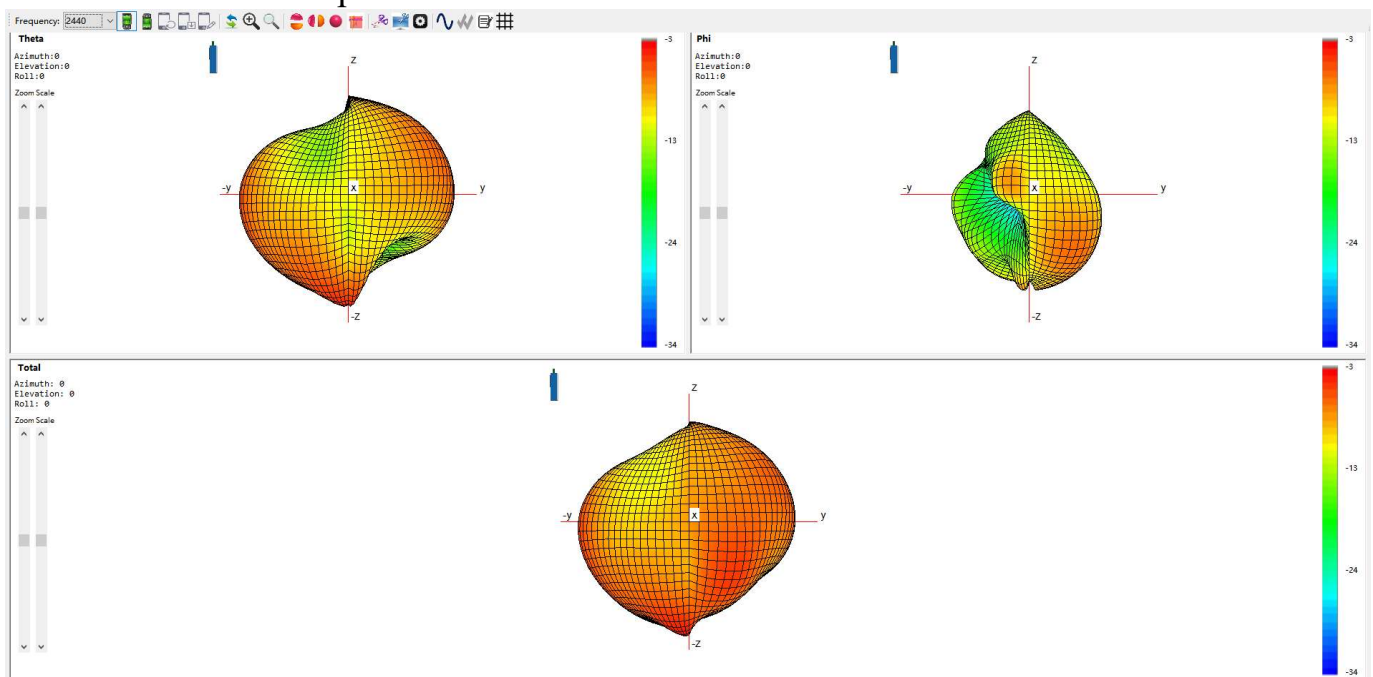




Antenna efficiency and gain:

R			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-7.56	-3.56	17.54
2410	-7.40	-3.60	18.21
2420	-7.25	-3.61	18.83
2430	-7.19	-3.72	19.10
2440	-7.10	-3.81	19.51
2450	-6.96	-3.84	20.12
2460	-6.89	-3.95	20.46
2470	-6.86	-4.08	20.63
2480	-6.85	-4.25	20.67
2490	-7.02	-4.56	19.86
2500	-7.25	-4.70	18.86
average	-7.12	-3.97	19.44

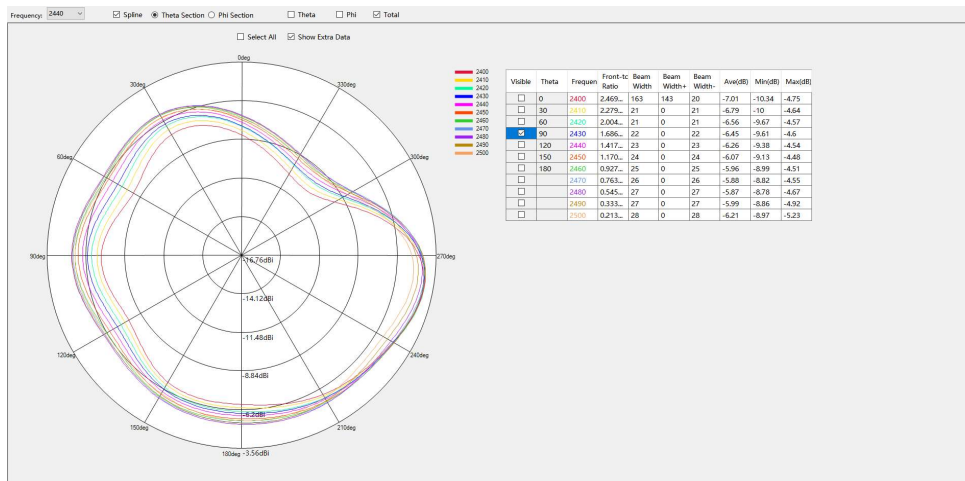
3D Antenna radiation pattern:



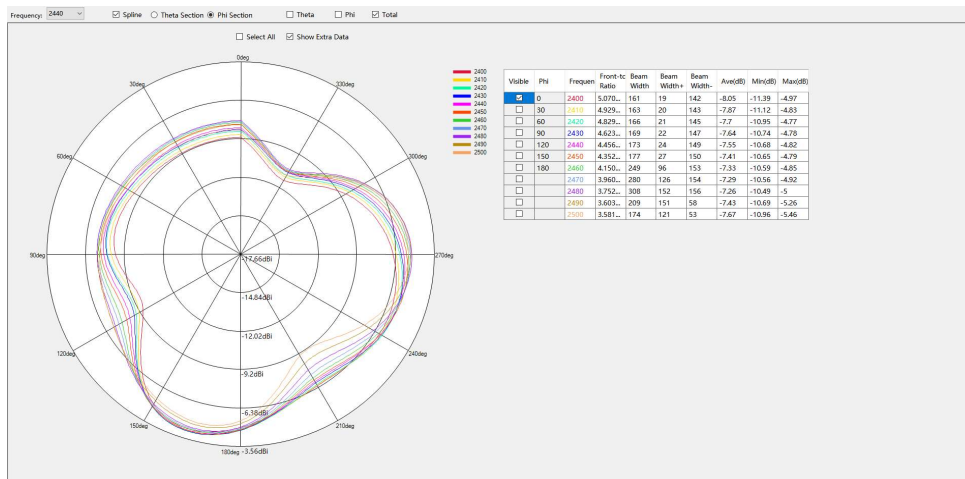


2D Antenna radiation pattern:

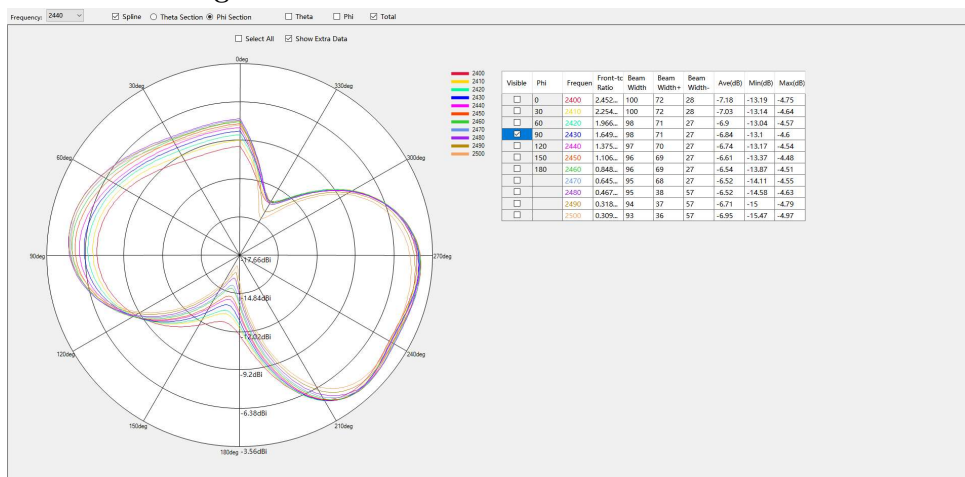
Theta=90.00deg



Phi=0.00deg



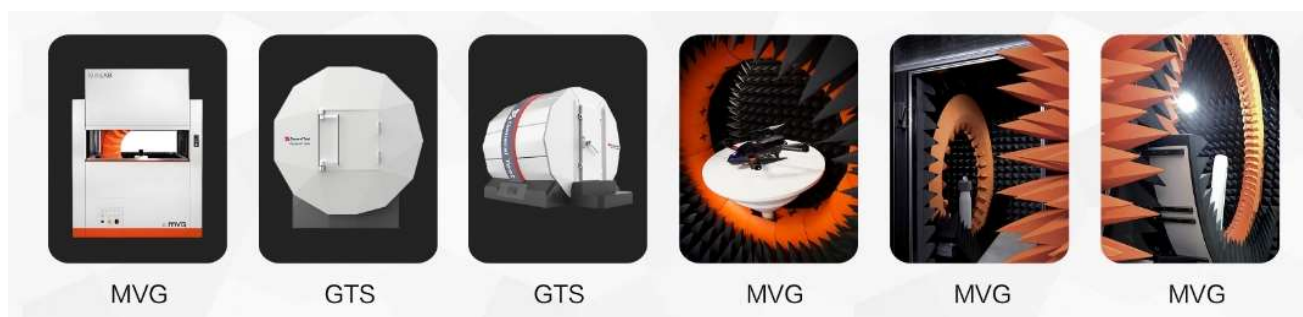
Phi=90.00deg





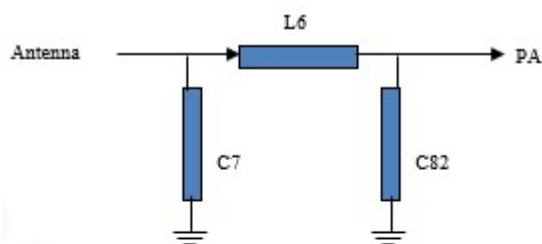
II: 3D Active test report of antenna

		free		head model	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	5.3	-89.2	0.6	-83.5
	CH 39	6.5	-90.2	1.4	-84.3
	CH 78	7.2	-90.0	1.0	-84.2

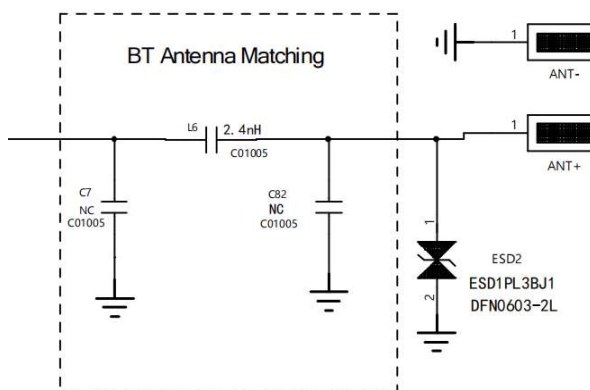


OTA Standard Chamber

III: Antenna matching circuit



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





V: Antenna structure diagram file

