



Antenna Part Specification

Project name:	D1105
Antenna name:	L-BT antenna
Version:	V1.0
Date:	2026.6.8
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
2026.6.8	First edition	First edition	V1.0

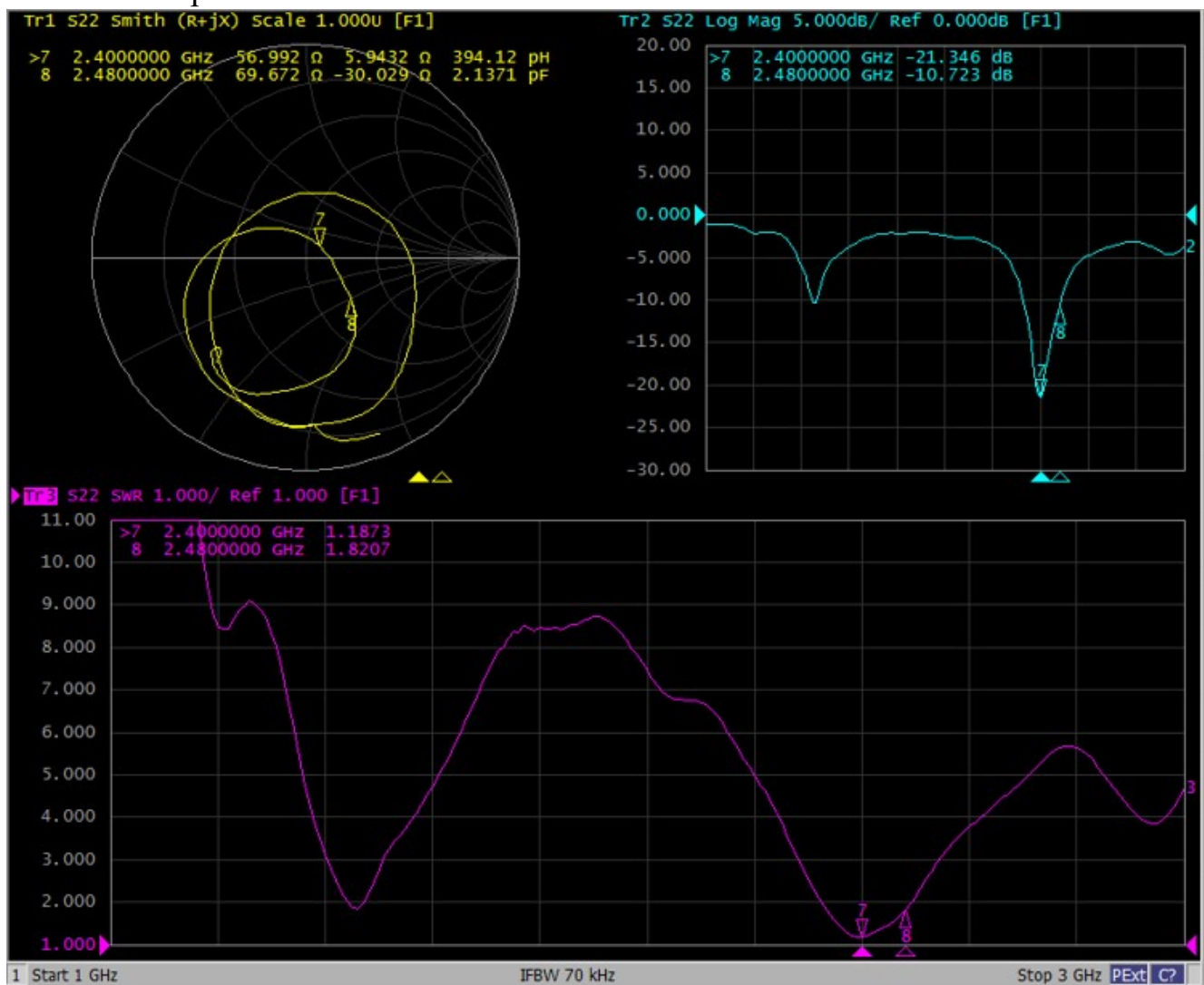


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

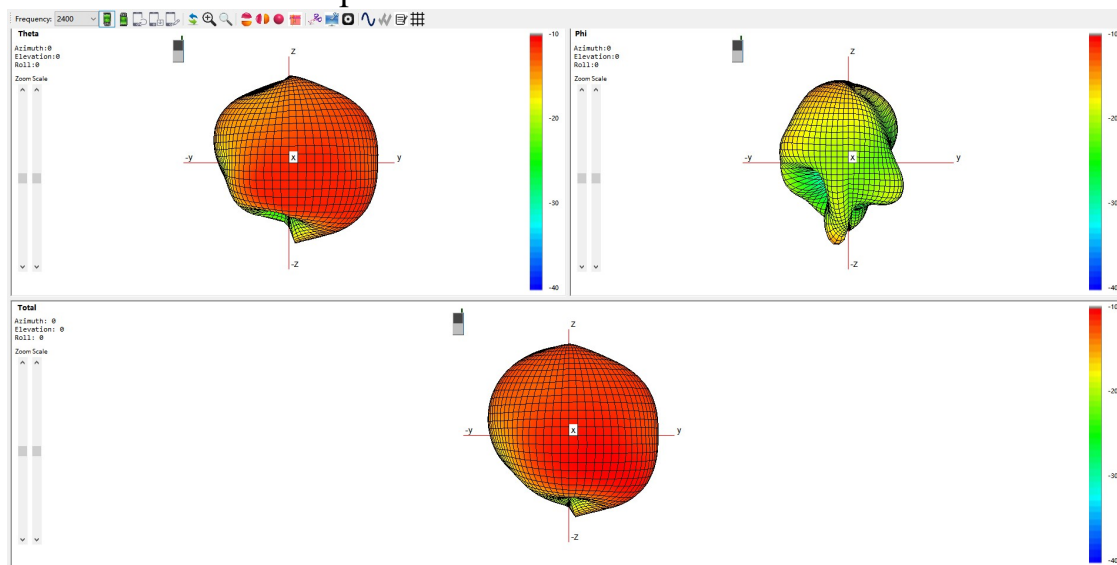




Antenna efficiency and gain:

L free			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-10.2	-7.2	9.5
2410	-10.1	-7.0	9.8
2420	-9.9	-6.6	10.2
2430	-9.9	-6.3	10.3
2440	-9.8	-6.0	10.5
2450	-9.8	-5.7	10.6
2460	-9.8	-5.5	10.4
2470	-9.9	-5.3	10.3
2480	-10.0	-5.3	10.1
average	-9.9	-6.1	10.2

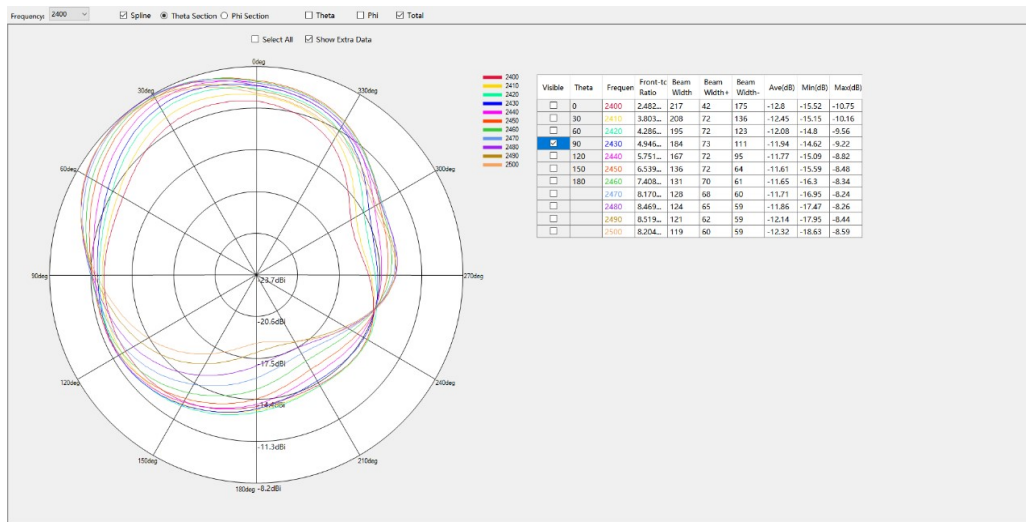
3D Antenna radiation pattern:



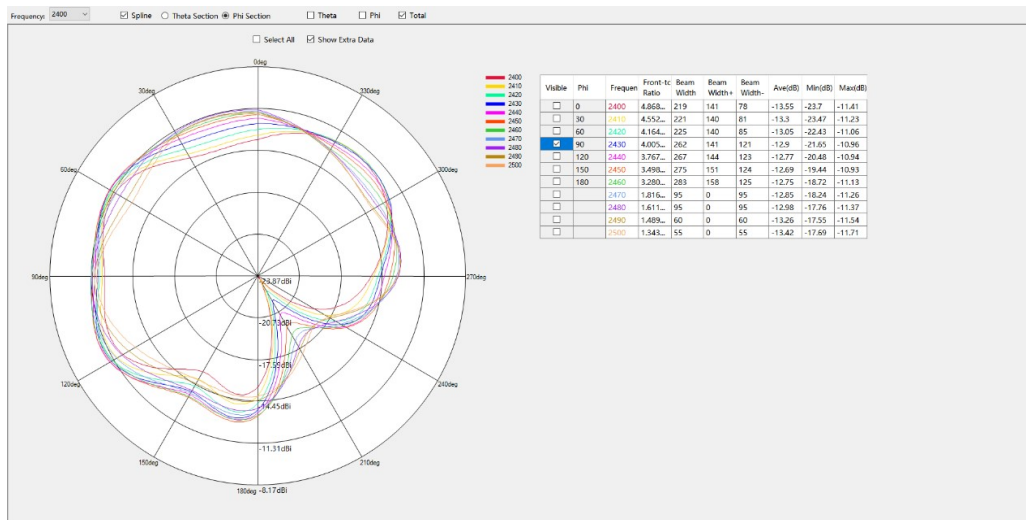


2D Antenna radiation pattern:

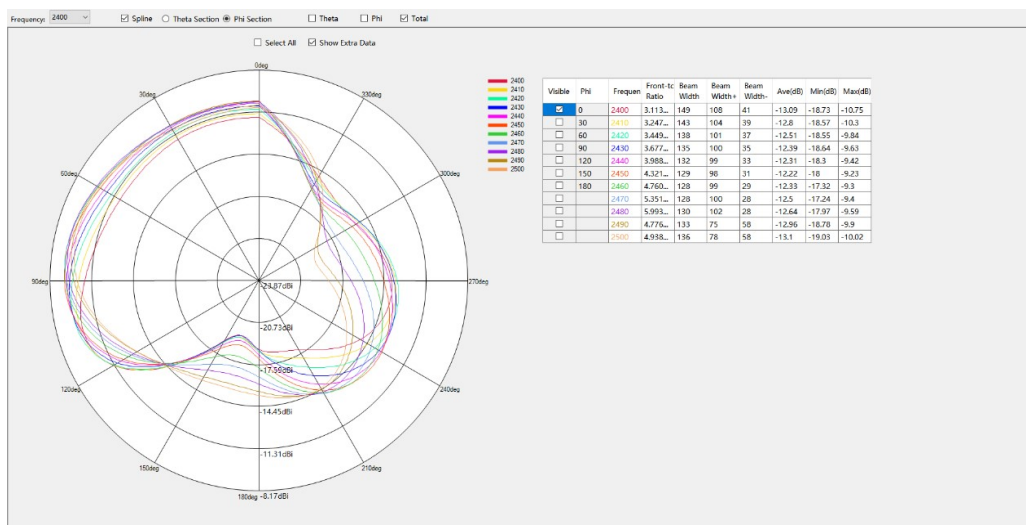
Theta = 90°



Phi=90°



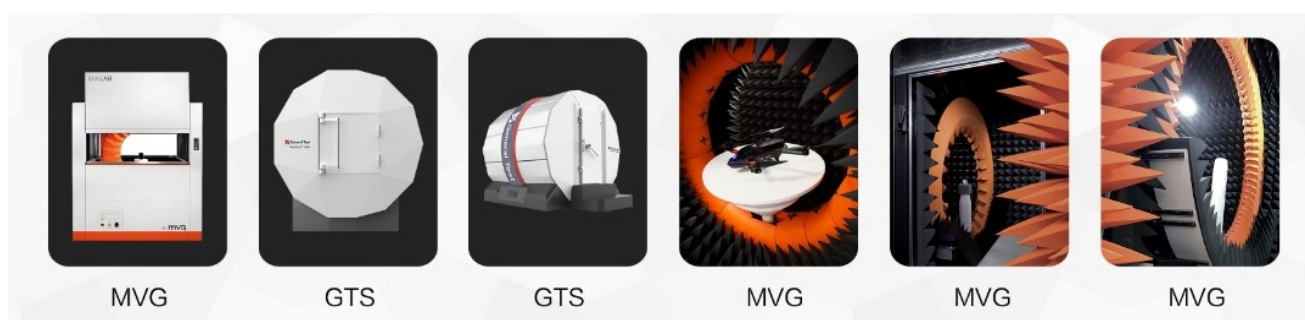
Phi=0°





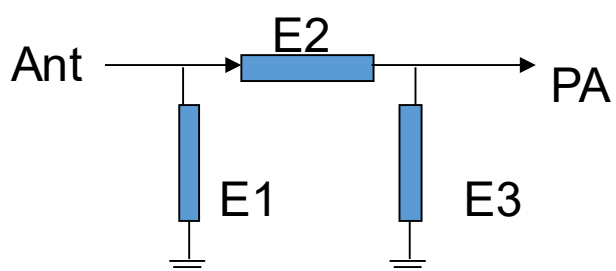
II: Active test data

		free		head model	
	Channel	TRP	TIS	TRP	TIS
L	0	3.4	-85.1	3.0	-85.7
	39	3.5	-86.0	2.5	-84.5
	78	2.2	-84.6	1.7	-83.4



OTA Standard Chamber

III: Antenna matching



Element	Value
E1	N/C
E2	2.7pF
E3	N/C



IV: Antenna structure diagram file

