



Antenna Part Specification

Project name:	D1303
Antenna name:	L-BT antenna
Antenna type:	PIFA
Version:	V1.0
Date:	2026.8.7
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: Active test data.....	6
III: Antenna matching.....	6
IV: Antenna structure diagram file	7

Change record			
Compile / change date	Reason for change	Changed content	Version
2026.8.7	First edition	First edition	V1.0



I: The report of passive data

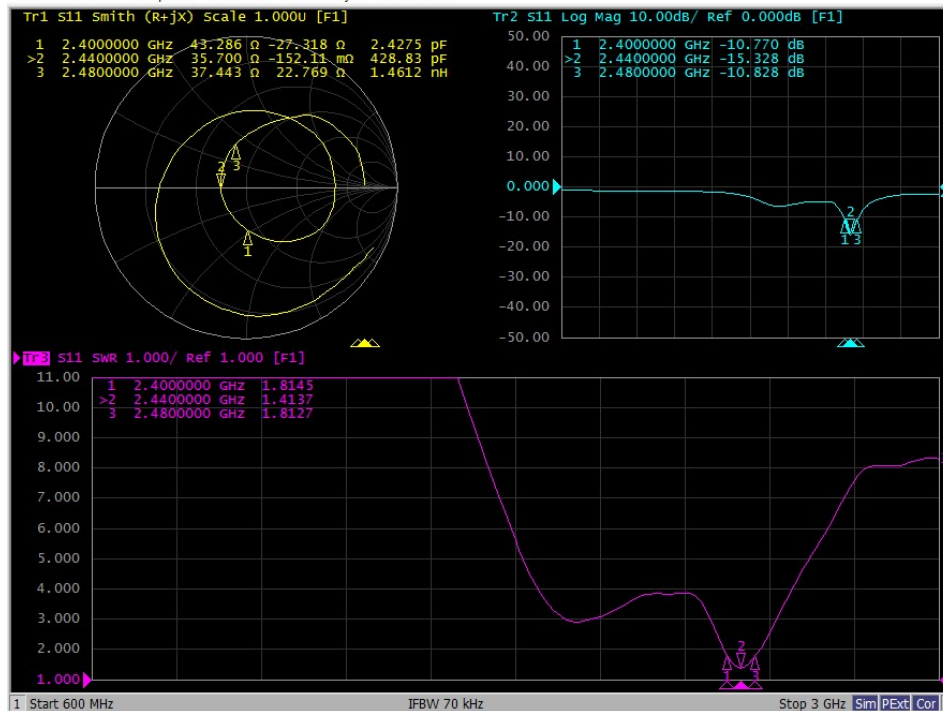


Agilent E5071C

Antenna S11 parameter:

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

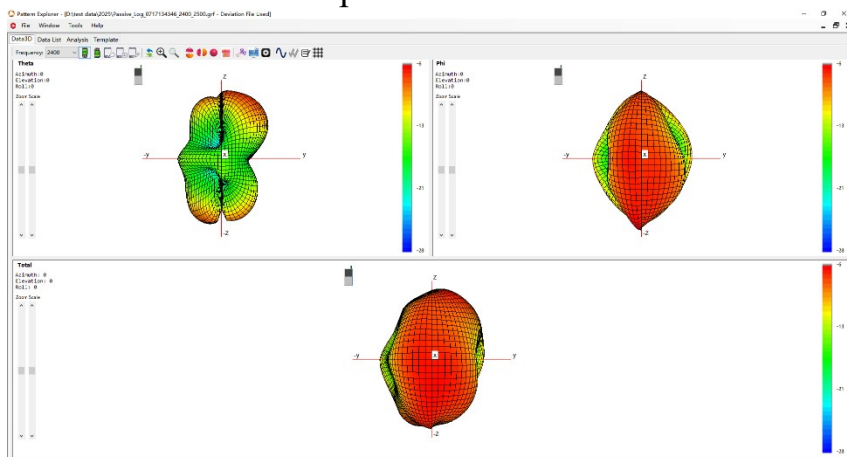




Antenna efficiency and gain:

L free			
Frequency (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2400	-9.7	-4.8	10.6
2410	-9.4		11.6
2420	-8.9		12.8
2430	-8.7		13.5
2440	-8.6		14.0
2450	-8.5		14.2
2460	-8.4		14.4
2470	-8.6		13.9
2480	-8.7		13.4
average	-8.8	-4.8	13.1

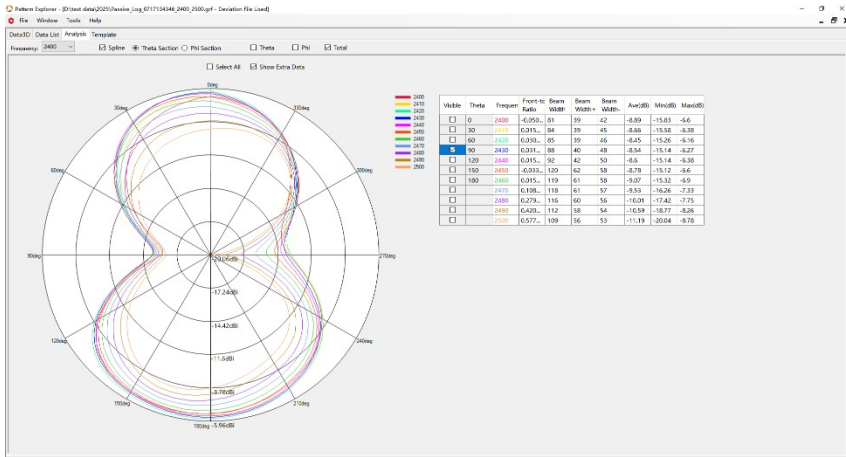
3D Antenna radiation pattern:



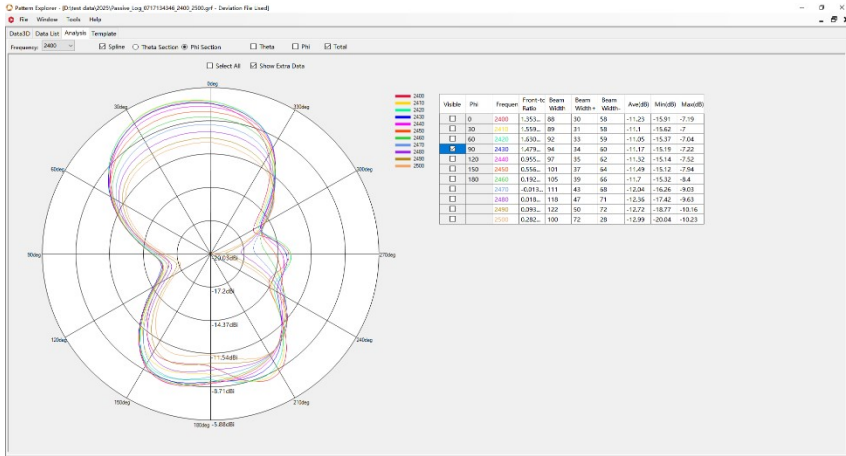


2D Antenna radiation pattern:

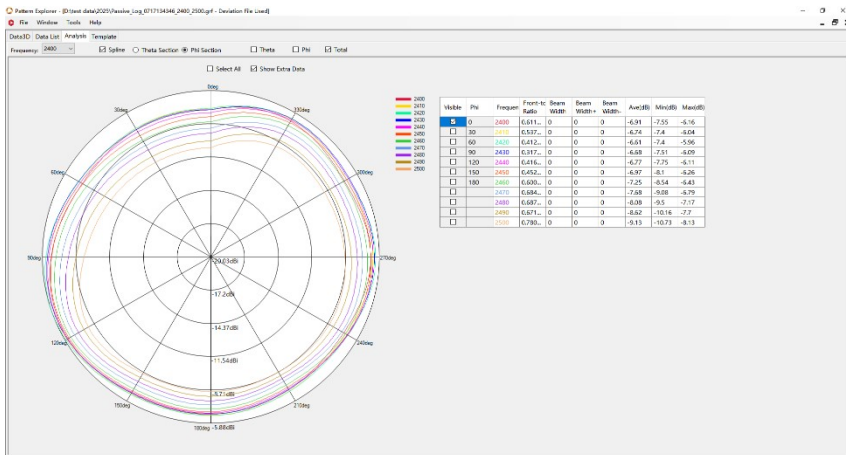
Theta = 90°



Phi=90°



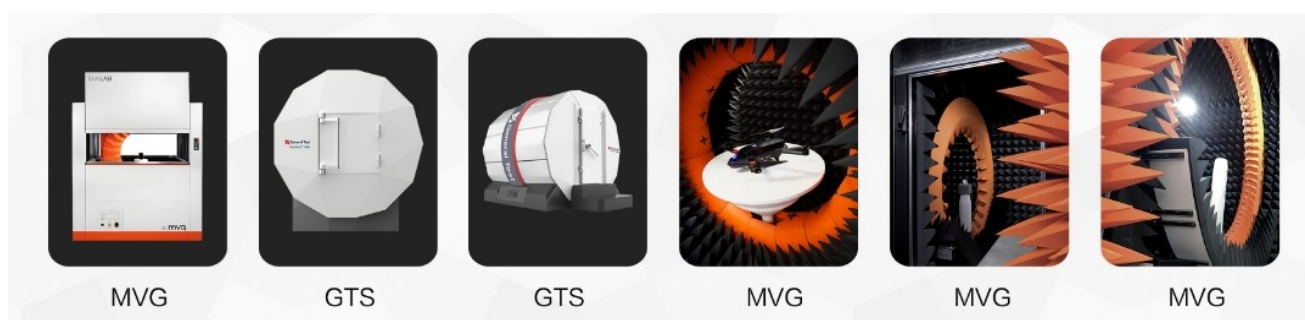
Phi=0°





II: Active test data

		free		head model	
	Channel	TRP	TIS	TRP	TIS
L	0	4.0	-90.3	-1.8	-84.7
	39	4.6	-91.7	-1.4	-85.3
	78	5.4	-90.2	-1.6	-84.3



OTA Standard Chamber



IV: Antenna structure diagram file

