



Antenna Part Specification

Customer Name	TianJian
Project name:	Between Pro2
Material category:	L-BT antenna&R-BT antenna
Specification Version:	V2.0
Date:	2025.02.21



Contents

Change record			
Compile / change date	Reason for change	Changed content	Version
2025.2.21	First edition	First edition	V1.0
2025.05.19	Antenna optimization	Antenna optimization	V2.0

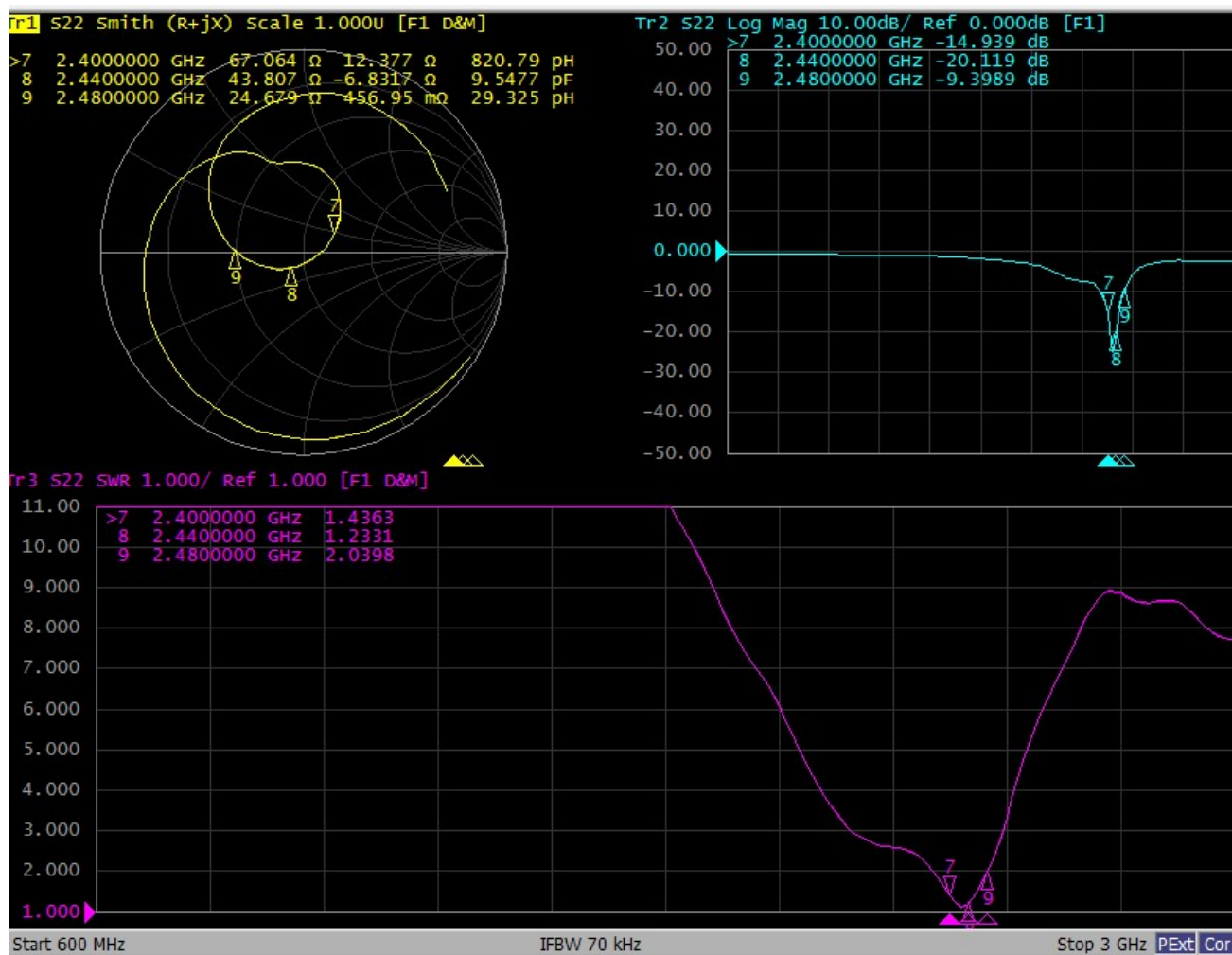


I: The report of passive data



Angilent E5071C

Left ear antenna S parameters:

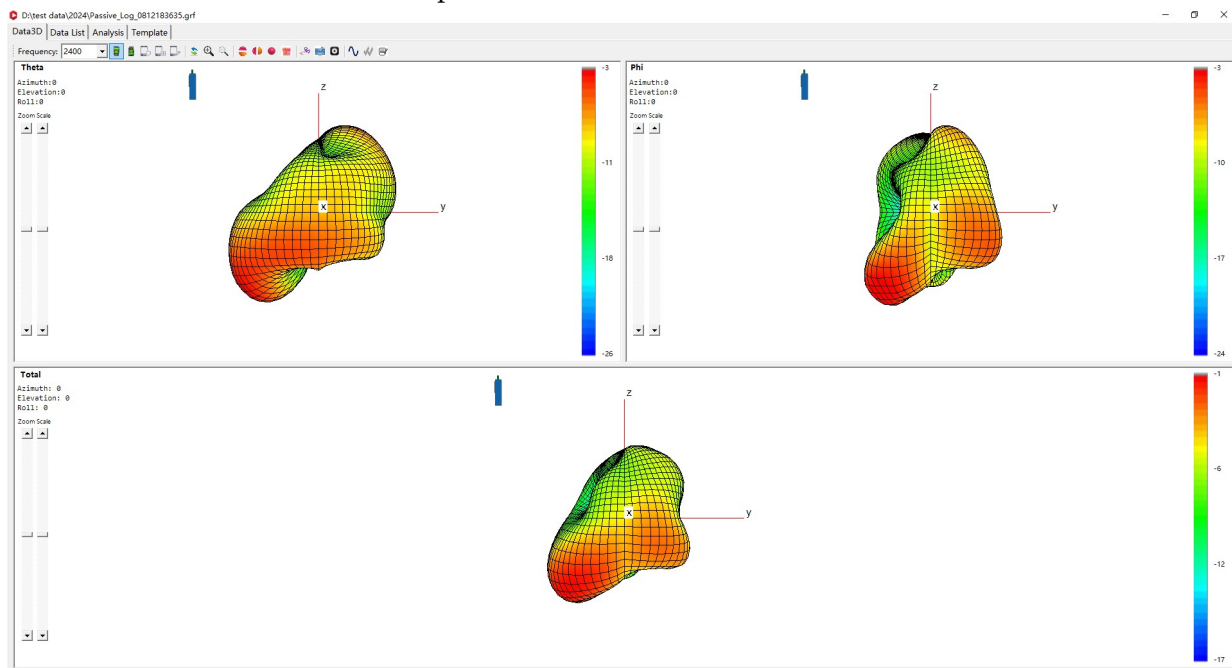




Passive efficiency and gain of left ear BT antenna:

L			
Frequency(MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-2.5	-6.0	25.1%
2410	-2.3	-5.8	26.1%
2420	-2.2	-5.7	26.9%
2430	-2.3	-5.8	26.6%
2440	-2.5	-5.9	25.7%
2450	-2.4	-5.9	25.9%
2460	-2.5	-6.0	24.9%
2470	-2.3	-5.9	25.5%
2480	-2.3	-5.9	25.5%
Average value	-2.4	-5.9	25.8%

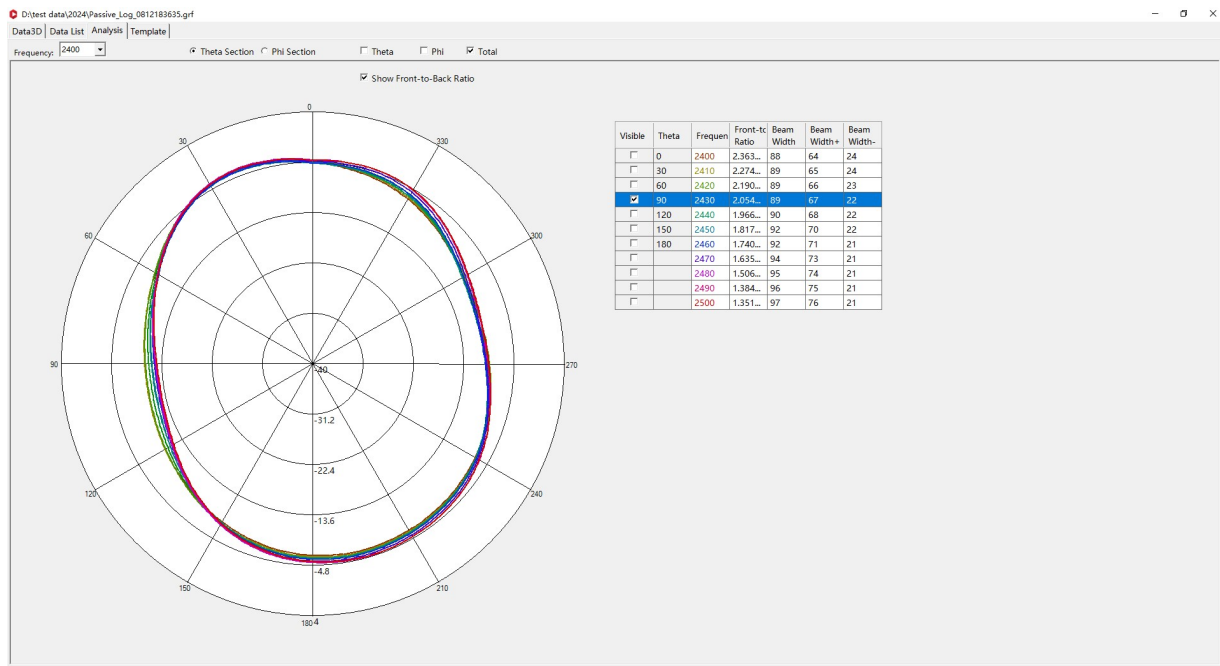
Passive 3D directional pattern of left ear antenna



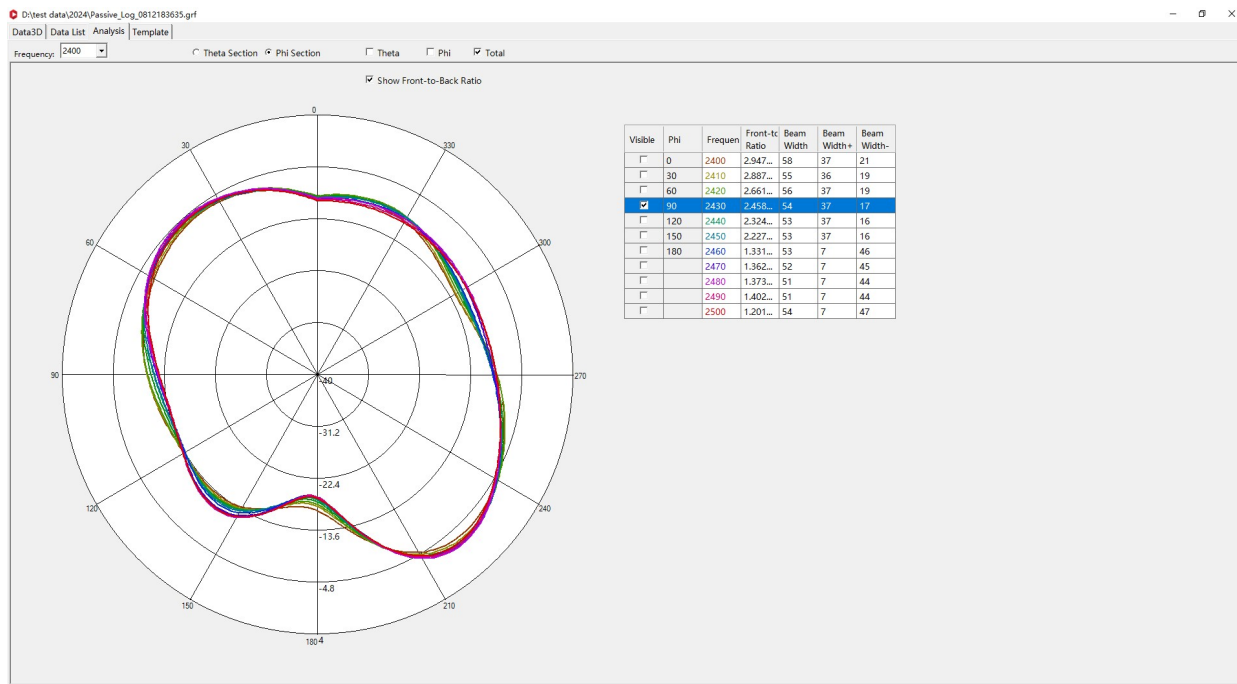


Passive 2D directional pattern of left ear antenna

Theta=90°

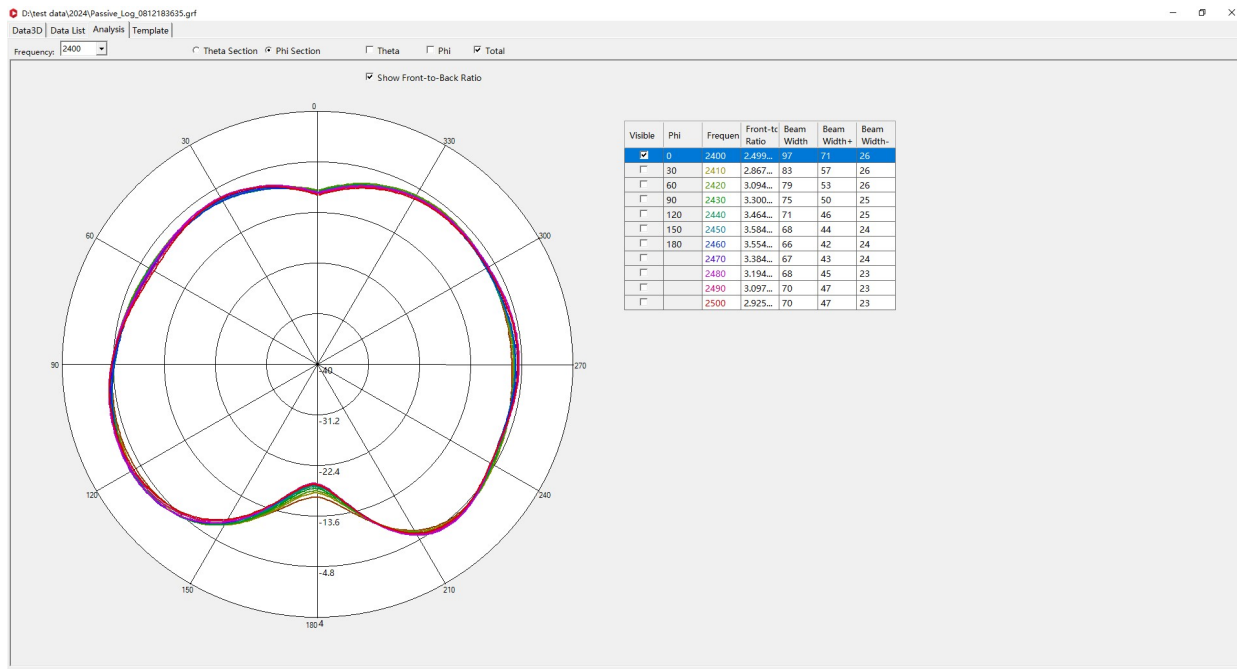


Phi=90°





Phi=0°





IV: Structure file

