



Antenna Part Specification

Project name:	BTE-692
Material category:	L-BT antenna
Version:	V1.0
Date:	2025.7.1



Contents

I: The report of passive data	3
II: 3D Active test report of antenna	6
III: Matching circuit.....	7
IV: Antenna structure diagram file	8

Change record			
Compile / change date	Reason for change	Changed content	Version
2025.7.1	First edition	First edition	V1.0

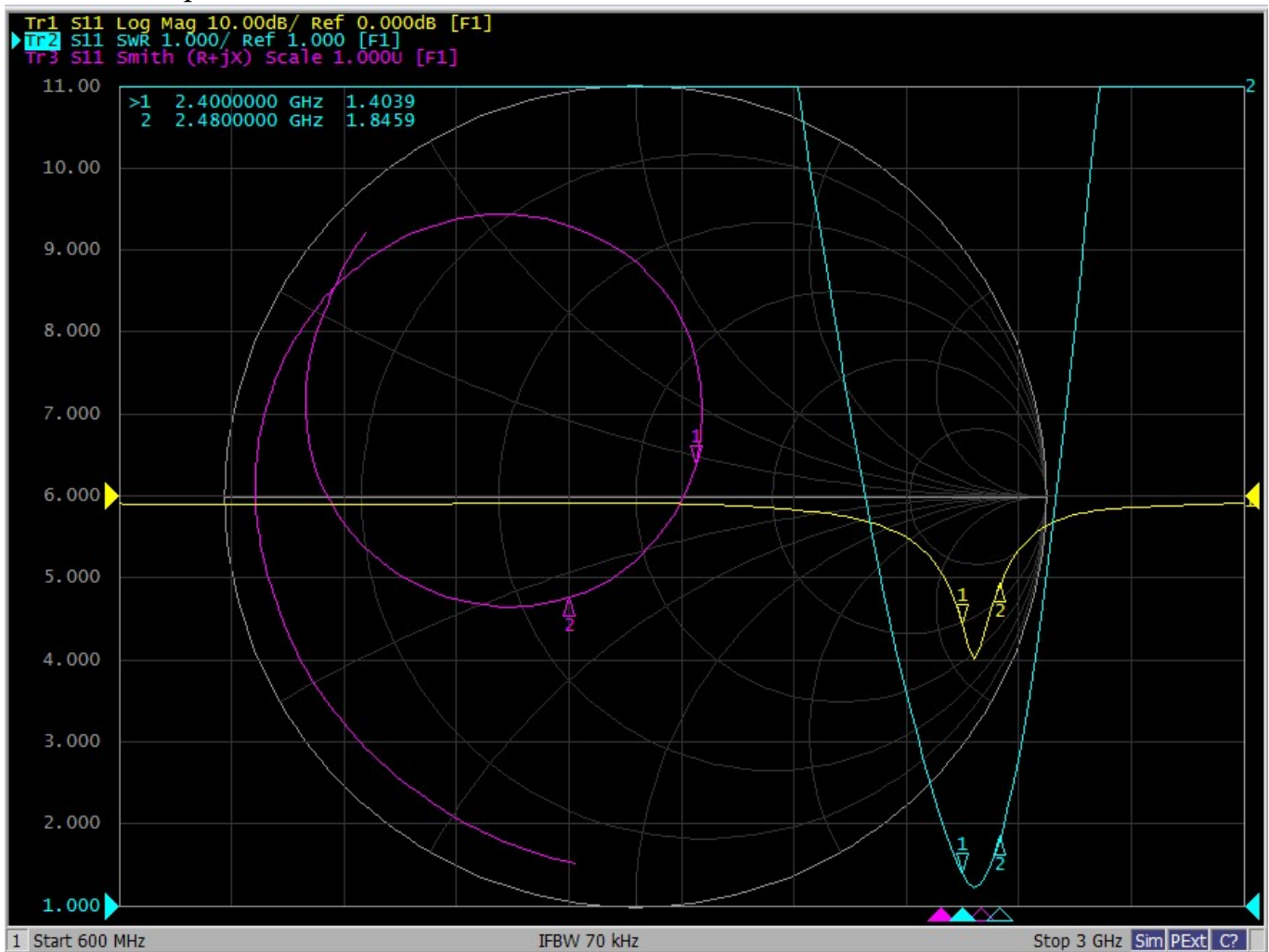


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

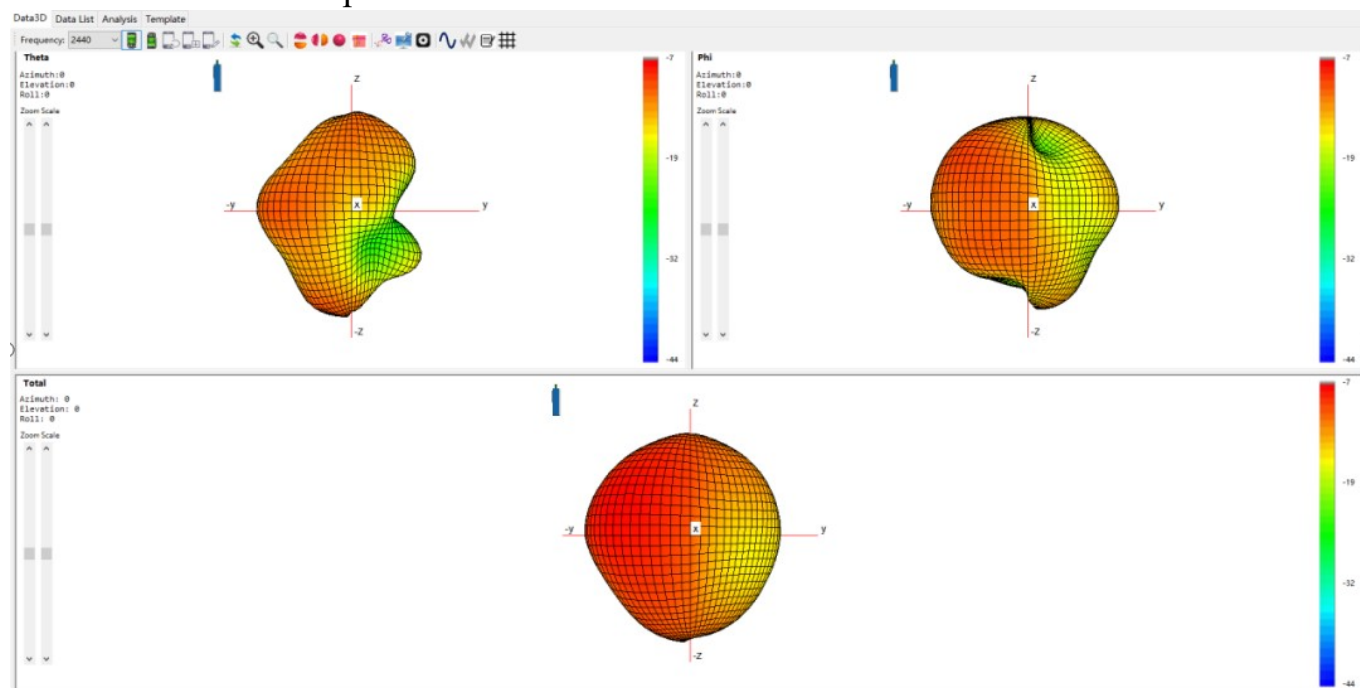




Efficiency:

L: monopole; FS			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	14%	-8.49	-3.89
2410	15%	-8.3	-3.63
2420	16%	-8.07	-3.43
2430	16%	-7.84	-3.22
2440	17%	-7.8	-3.13
2450	16%	-7.86	-3.16
2460	16%	-8.01	-3.34
2470	15%	-8.21	-3.5
2480	14%	-8.58	-3.89
AVG	15%	-8.13	-3.47

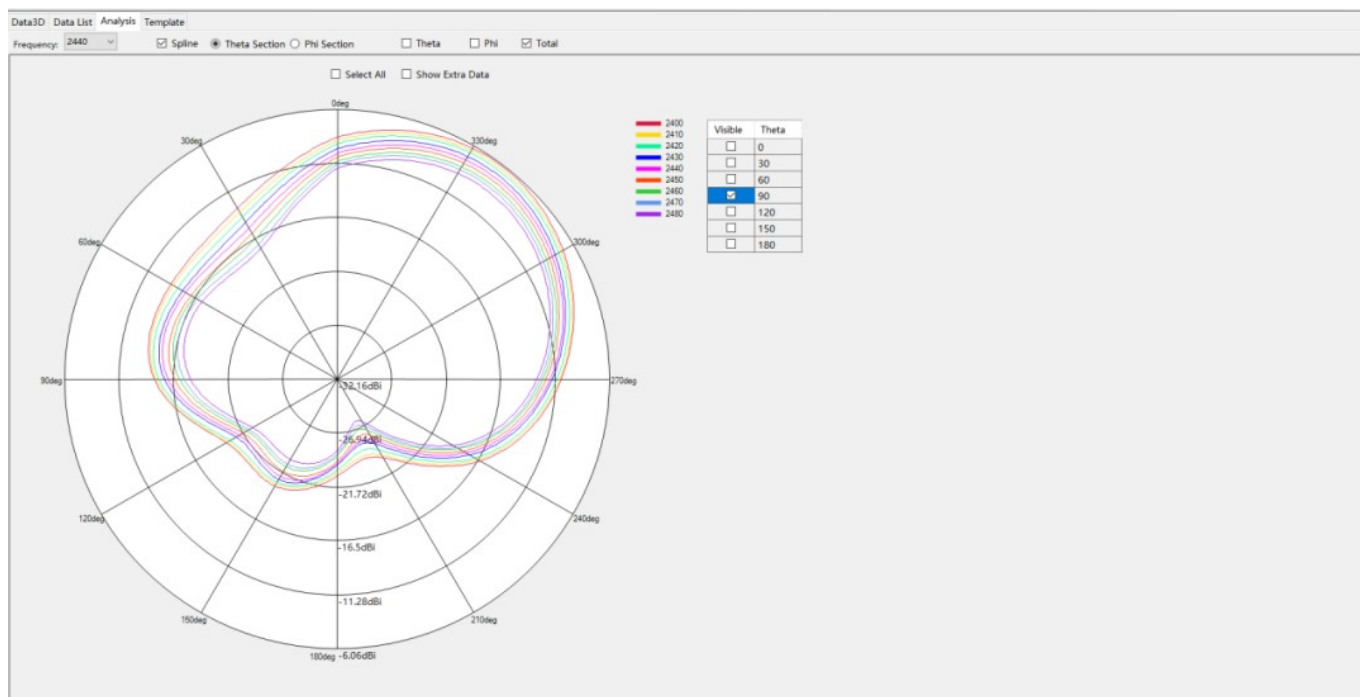
3D Antenna radiation pattern:



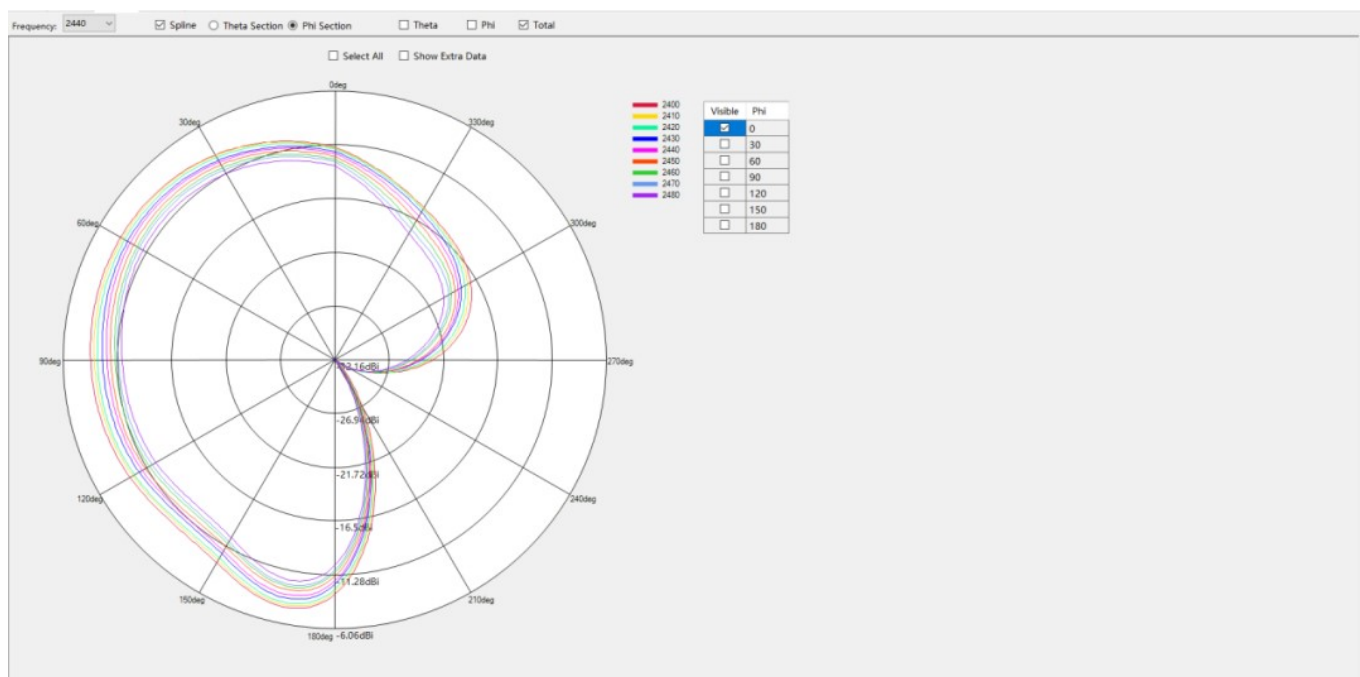


2D Antenna radiation pattern:

Theta=90°

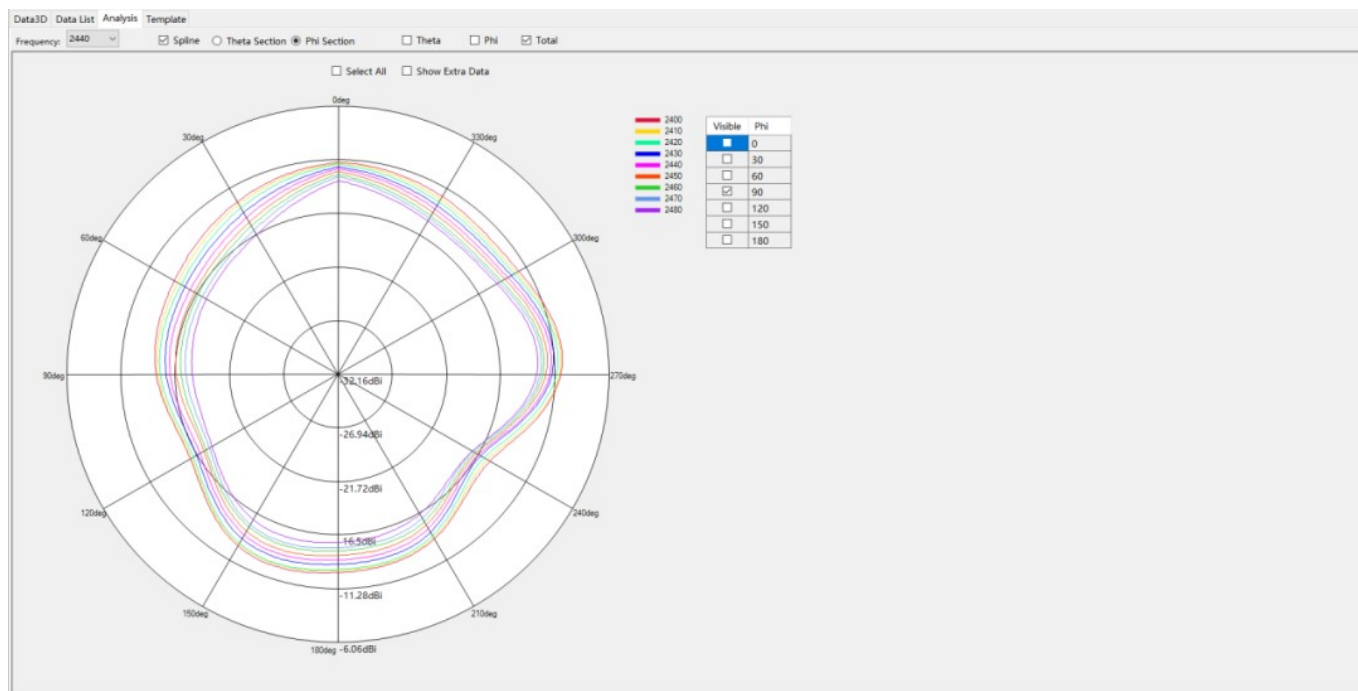


Phi=0°





Phi=90°



II: 3D Active test report of antenna

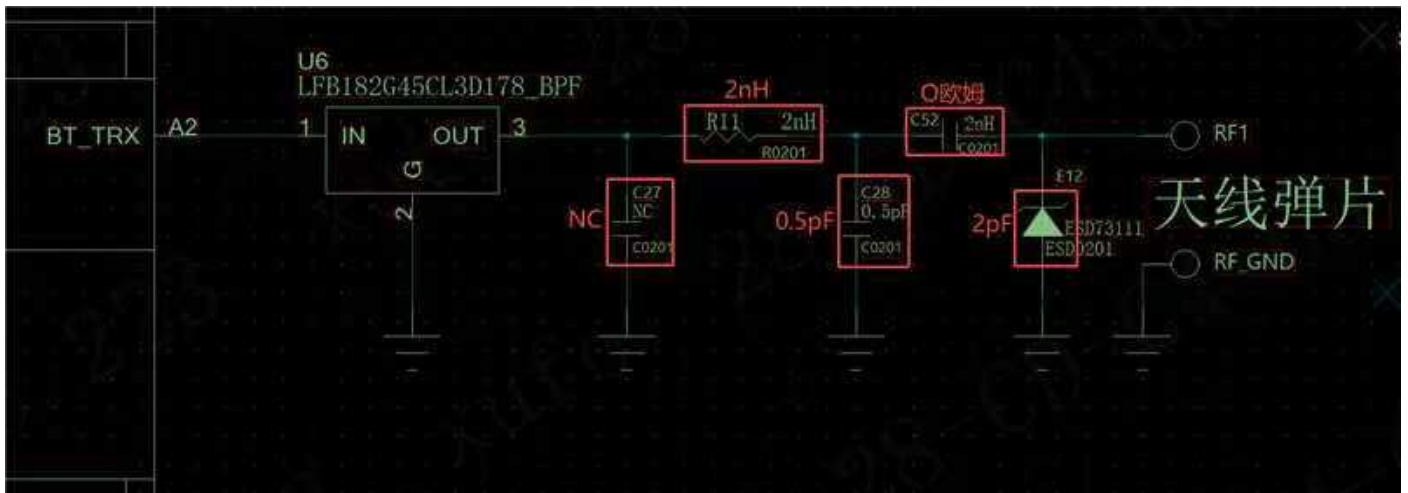
FS	Channel	TRP	TIS
L	0	3.6	-83.2
	39	4.4	-83.9
	78	4.5	-84.9



OTA Standard Chamber



III: Matching circuit



IV: Antenna structure diagram file

