



Antenna Part Specification

Project name:	BTE-692
Material category:	R-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

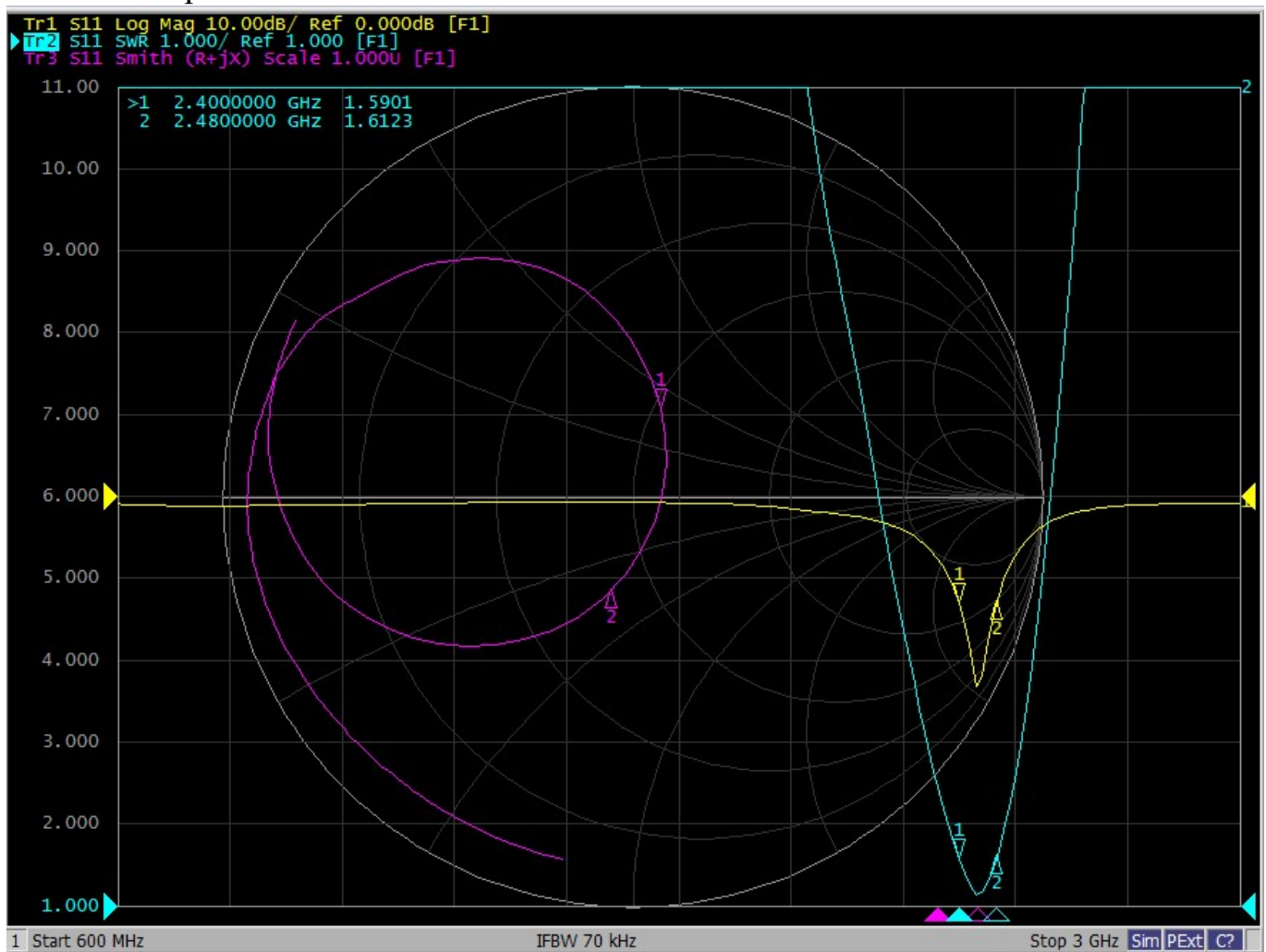


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

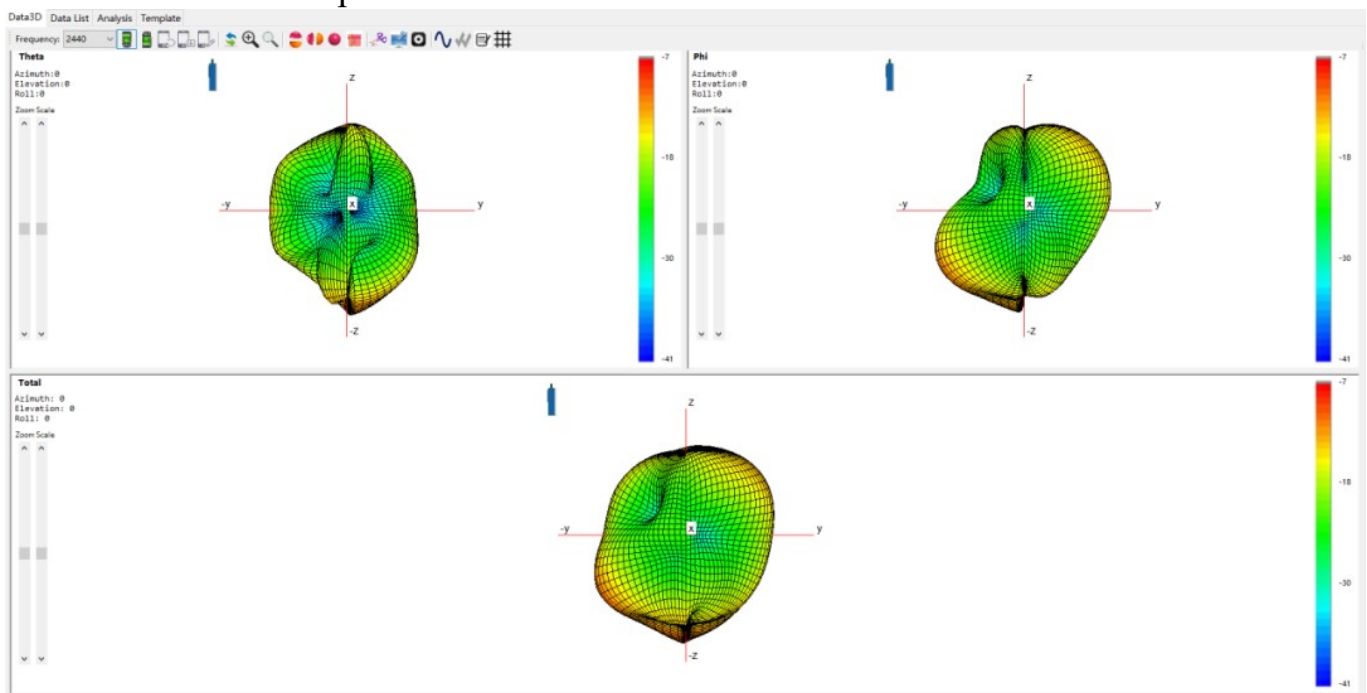




Efficiency:

R: monopole; FS			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	14%	-8.58	-4.22
2410	15%	-8.34	-3.96
2420	15%	-8.23	-3.84
2430	16%	-8.07	-3.65
2440	16%	-7.9	-3.45
2450	16%	-7.9	-3.4
2460	16%	-7.98	-3.55
2470	15%	-8.15	-3.68
2480	15%	-8.34	-3.86
AVG	15%	-8.17	-3.73

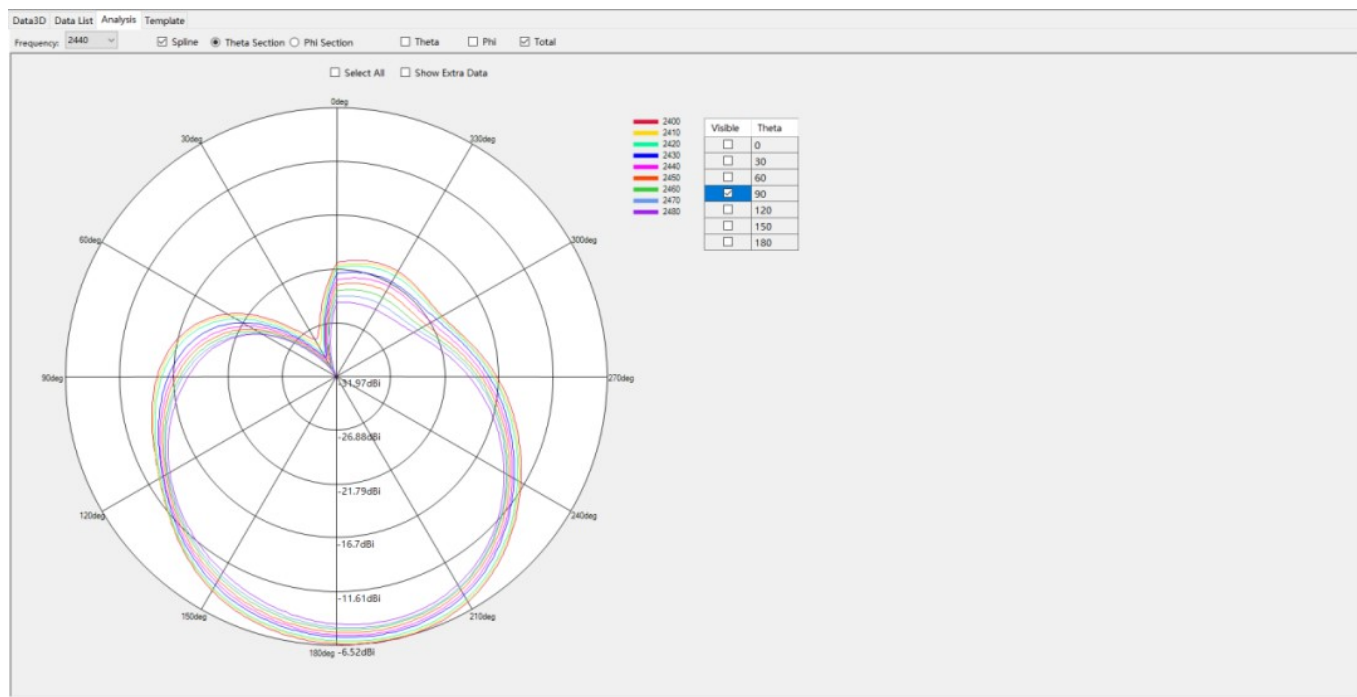
3D Antenna radiation pattern:



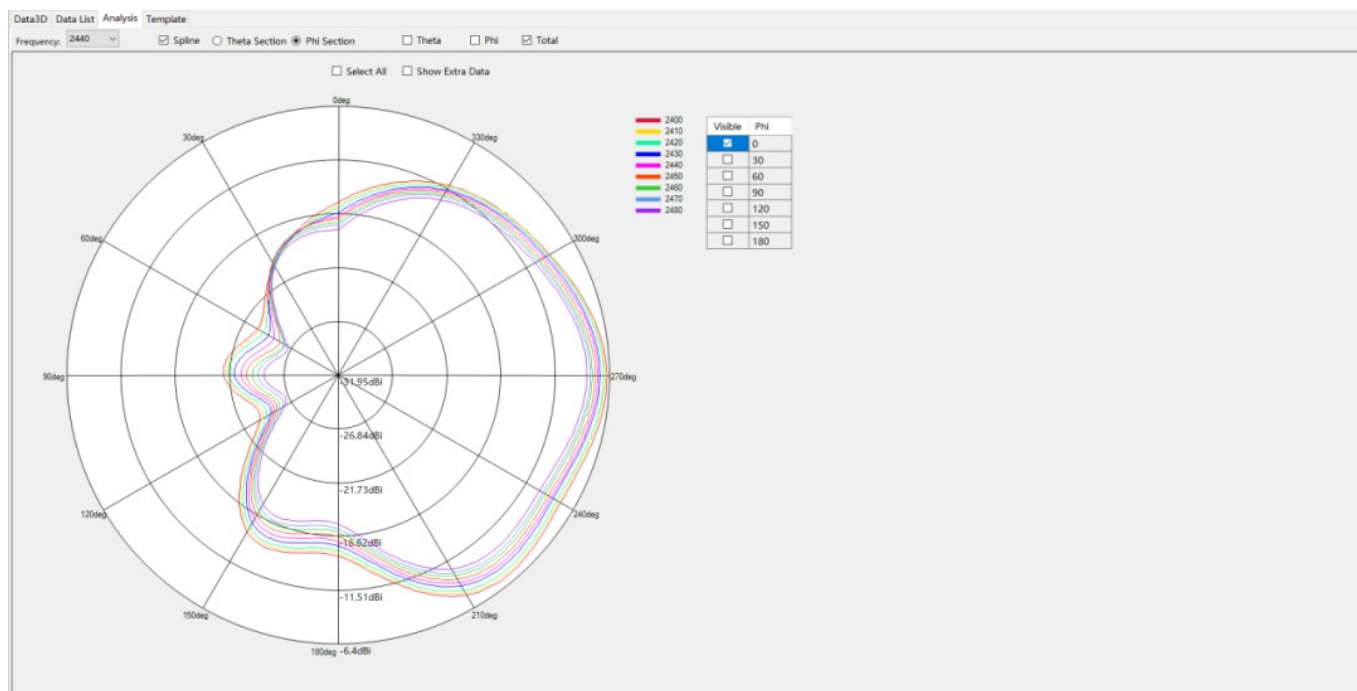


2D Antenna radiation pattern:

Theta=90°

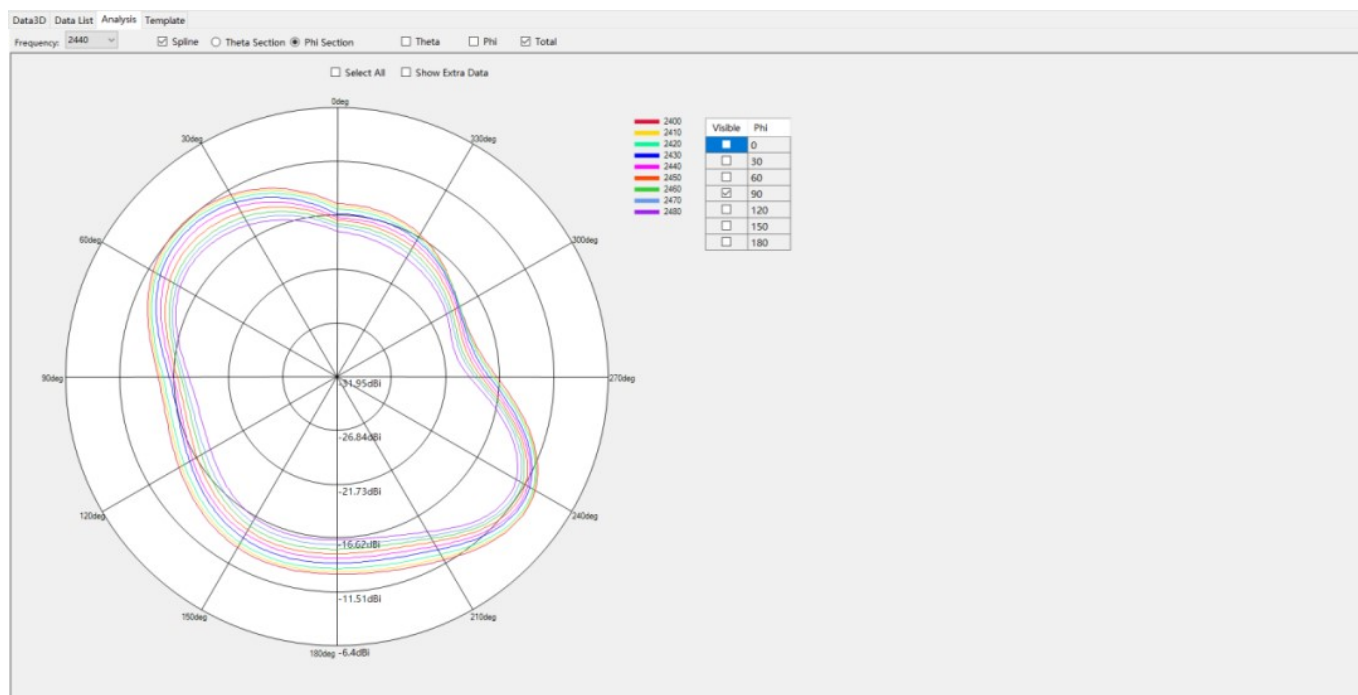


Phi=0°





Phi=90°



II: 3D Active test report of antenna

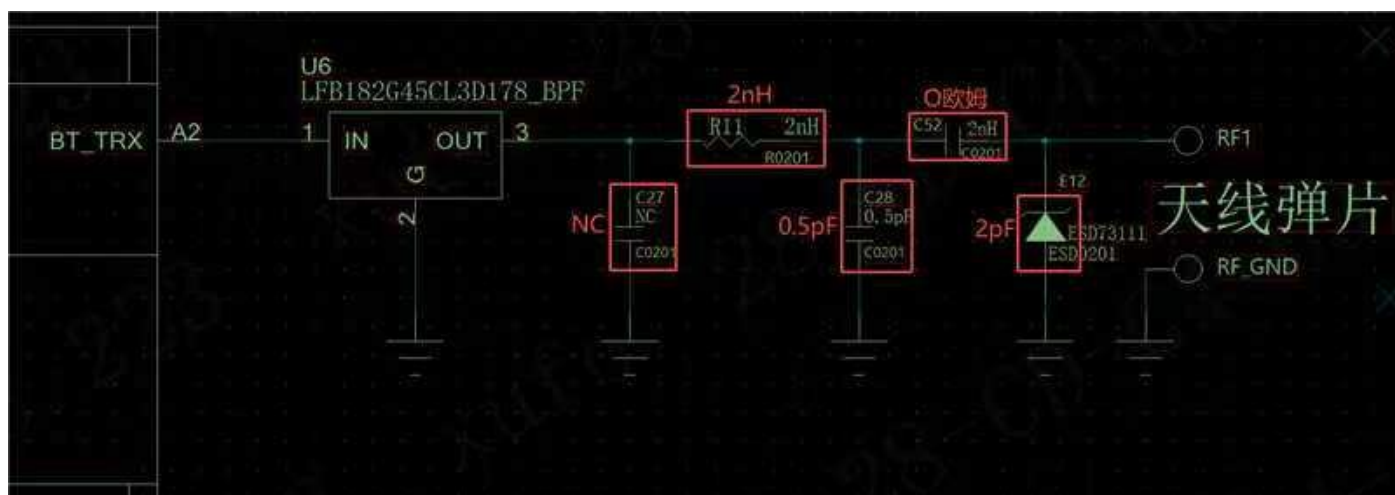
FS	Channel	TRP	TIS
R	0	3.2	-82.4
	39	4.1	-82.9
	78	4.4	-83.3



OTA Standard Chamber



III: Matching circuit





IV: Antenna structure diagram file

