



Contents

I: The report of passive data	3
II: Active test data.....	6
III: Antenna matching.....	7
IV: Environmental treatment.....	8
V: Antenna structure diagram file	9

Change record			
Compile / change date	Reason for change	Changed content	Version
2025.10.27	First edition	First edition	V1.0
2026.1.7	Drawing Update	Data update	V2.0

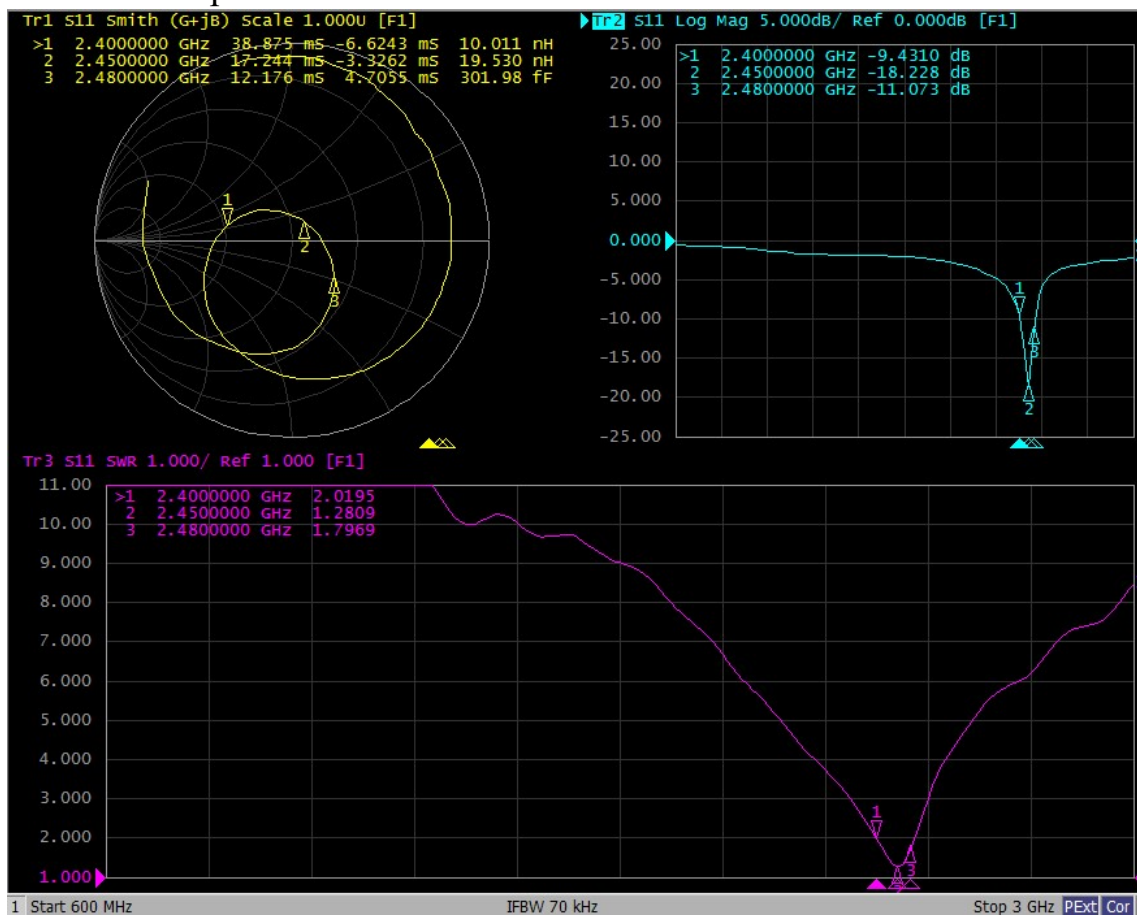


I: The report of passive data



Angilent E5071C

Antenna S11 parameter:

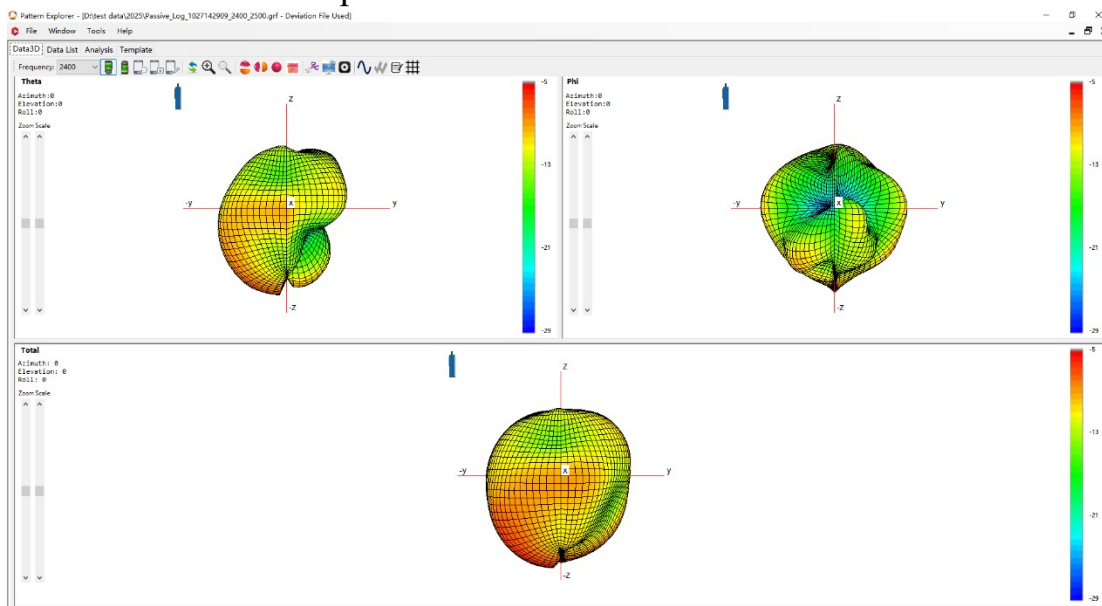




Antenna efficiency and gain:

L			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	12.2%	-9.1	-5.7
2410	12.9%	-8.9	-5.4
2420	13.6%	-8.7	-5.1
2430	14.2%	-8.5	-4.9
2440	14.8%	-8.3	-4.7
2450	15.1%	-8.2	-4.7
2460	15.2%	-8.2	-4.7
2470	14.9%	-8.3	-4.8
2480	14.6%	-8.4	-5.0
AVG	14.2%	-8.5	-5.0

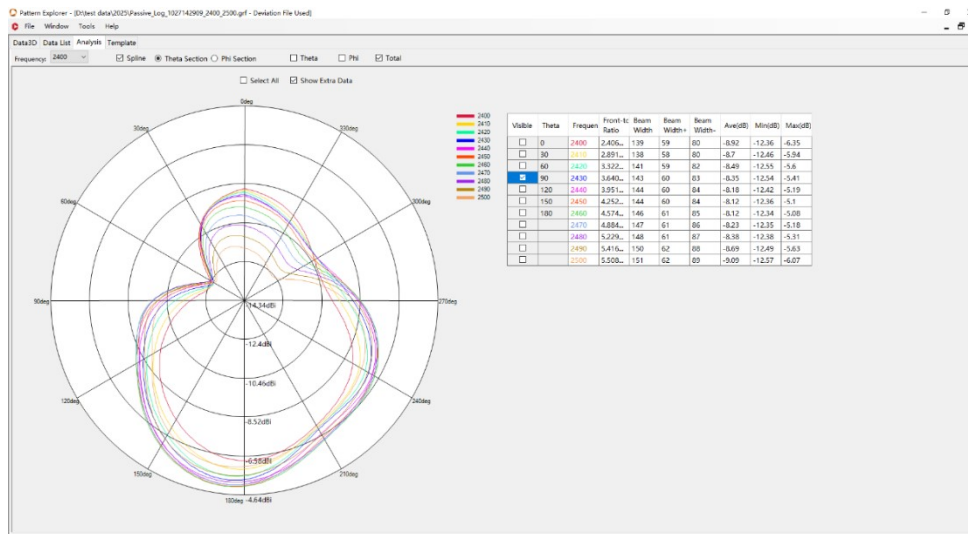
3D Antenna radiation pattern:



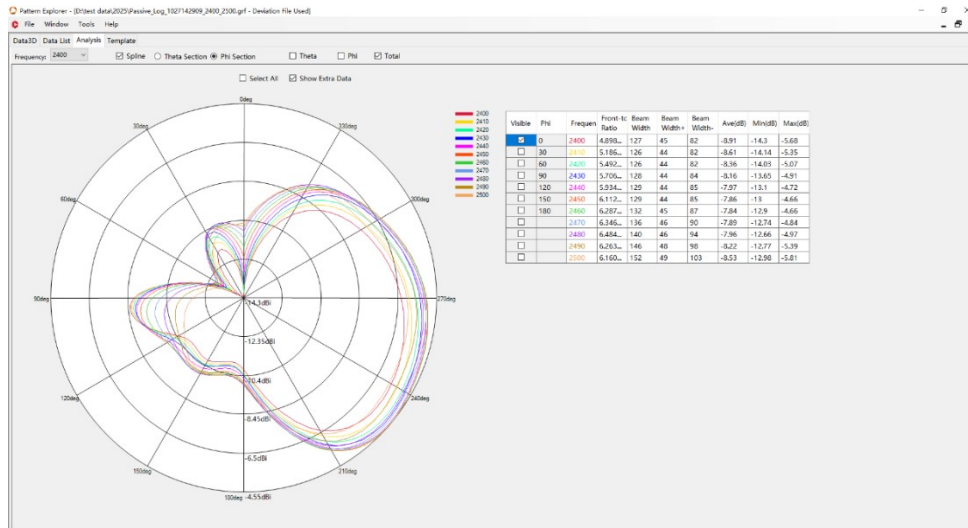


2D Antenna radiation pattern:

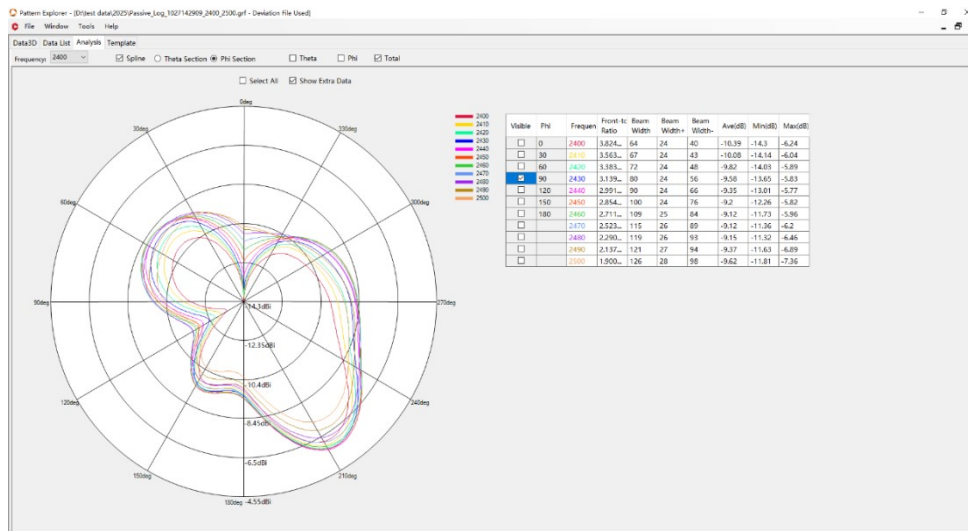
Theta=90°



Phi=0°



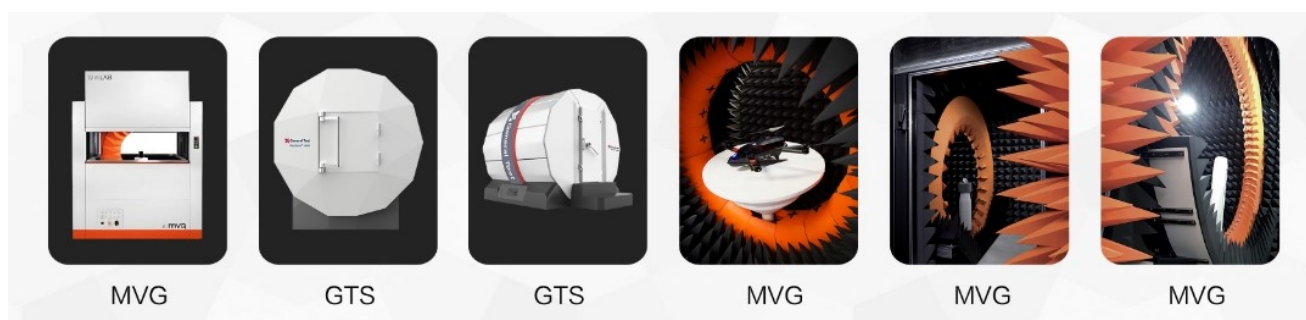
Phi=90°





II: Active test data

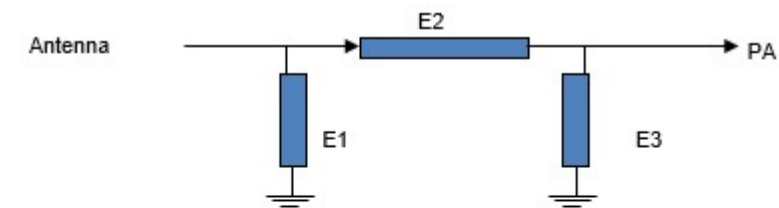
		free	
9#	Channel	TRP	TIS
L	CH 0	6.4	-91.0
	CH 39	6.8	-92.0
	CH 78	6.7	-91.0
		head model	
9#	Channel	TRP	TIS
L	CH 0	2.0	-85.4
	CH 39	2.6	-86.9
	CH 78	2.7	-86.0



OTA Standard Chamber



III: Antenna matching



Element	Value
E1(0201)	0.2pF
E2(0201)	3nH
E3(0201)	N/A

Note: The left ear antenna matching circuit is connected in parallel with a 0.2pF capacitor at position E1 and in series with a 3nH inductor at position E2.



V: Antenna structure diagram file

