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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

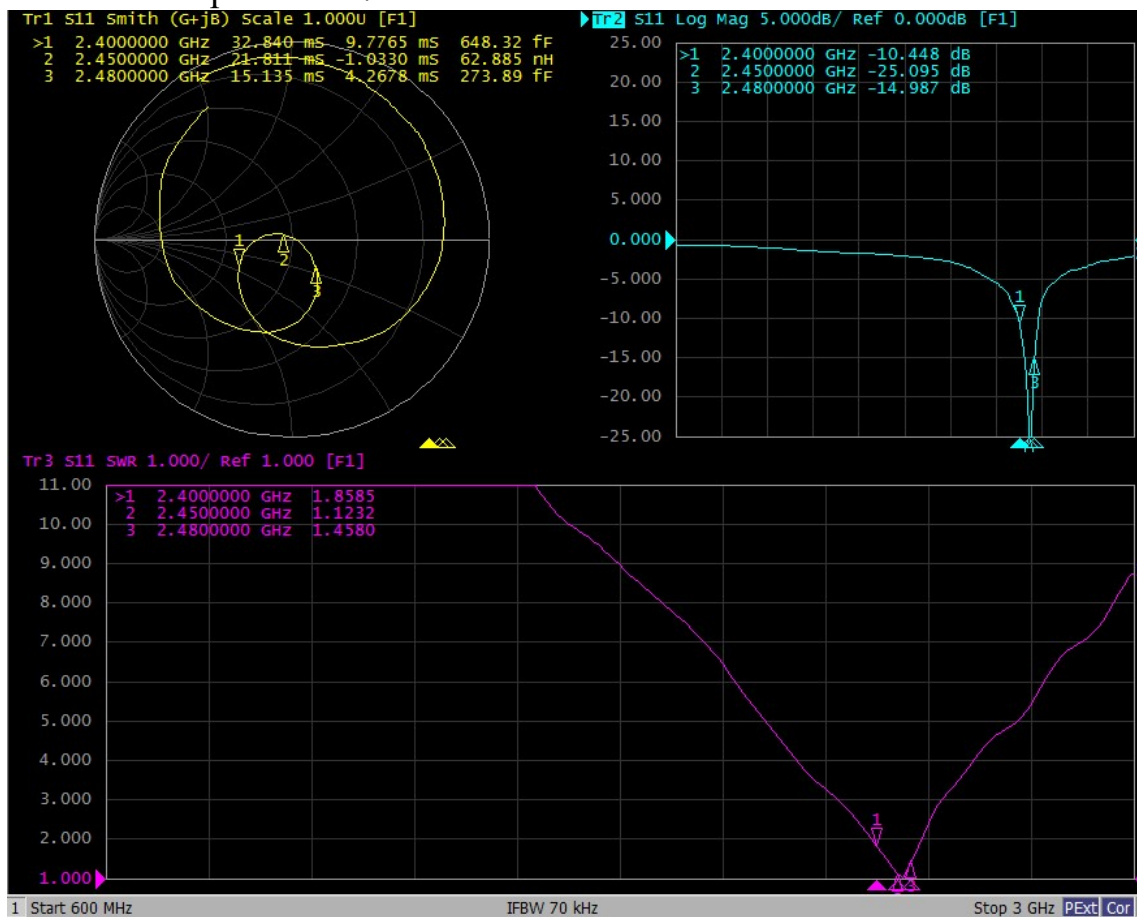


I: The report of passive data



Agilent E5071C

Antenna S11 parameter:

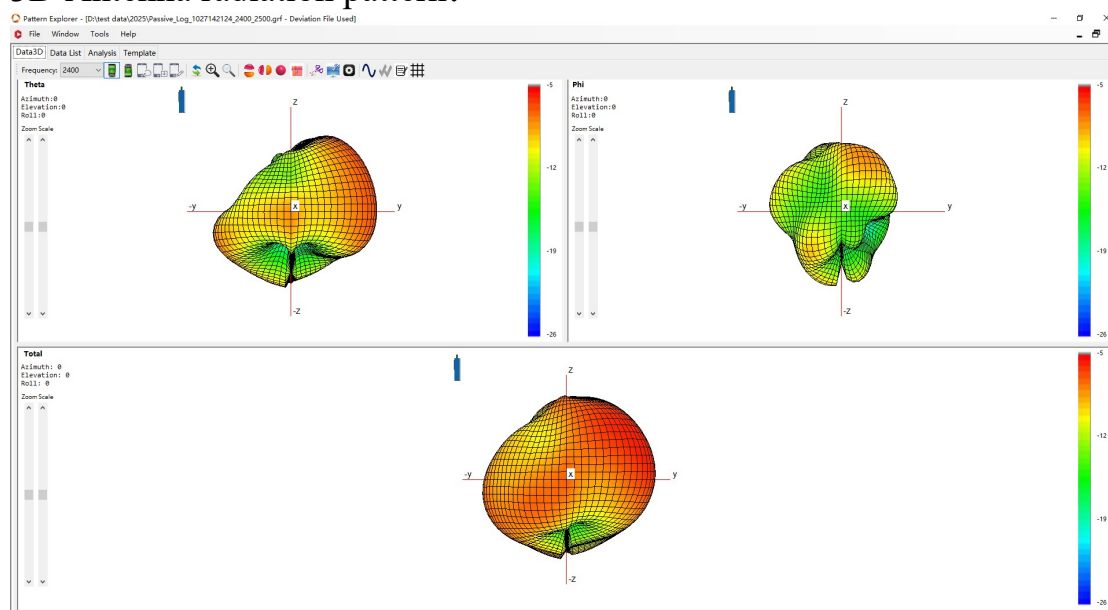




Antenna efficiency and gain:

R			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	14.8%	-8.3	-5.7
2410	15.1%	-8.2	-5.6
2420	15.4%	-8.1	-5.6
2430	15.4%	-8.1	-5.6
2440	15.4%	-8.1	-5.7
2450	15.5%	-8.1	-5.7
2460	15.2%	-8.2	-5.7
2470	14.8%	-8.3	-5.7
2480	14.1%	-8.5	-5.7
AVG	15.1%	-8.2	-5.7

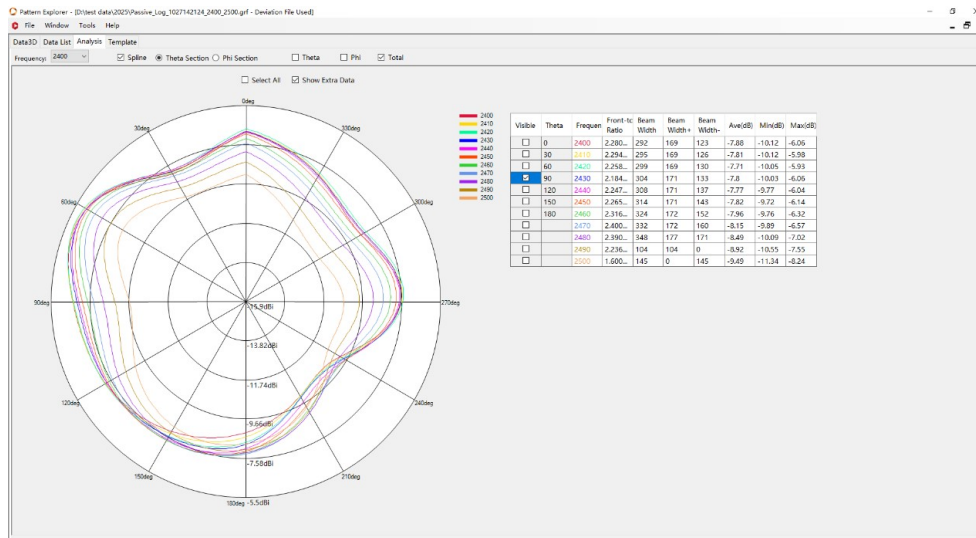
3D Antenna radiation pattern:



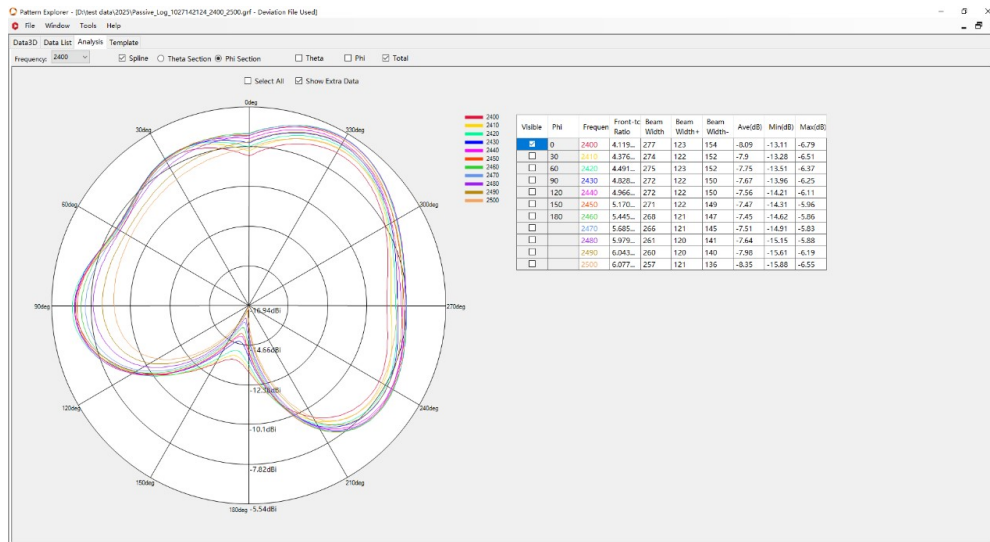


2D Antenna radiation pattern:

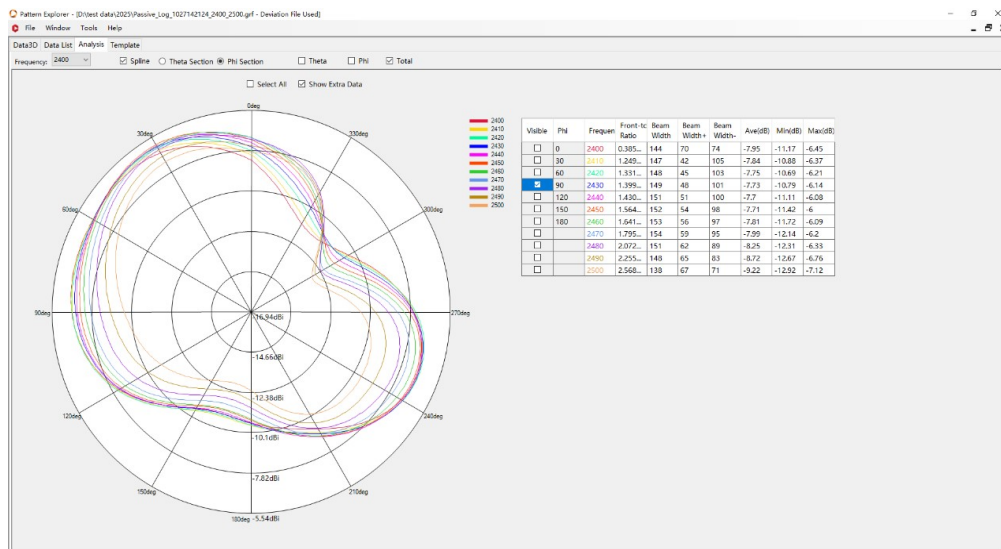
Theta=90°



Phi=0°



Phi=90°

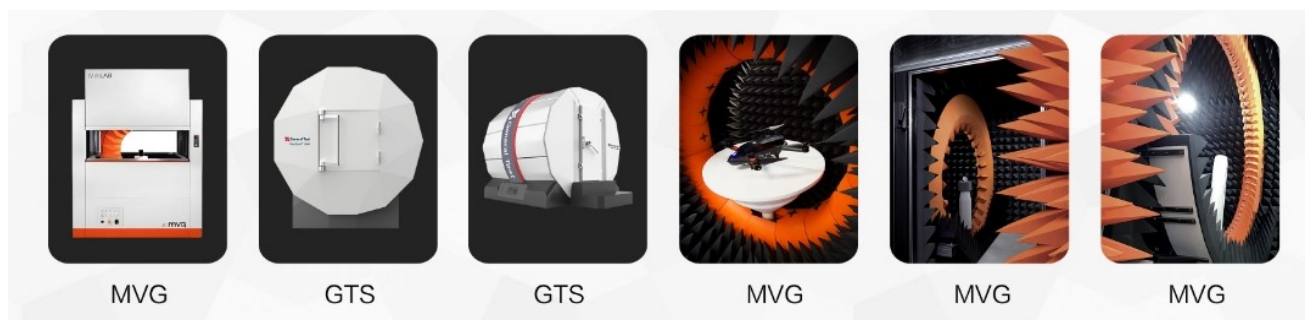


CC-JL-RD-36V1.0



II: Active test data

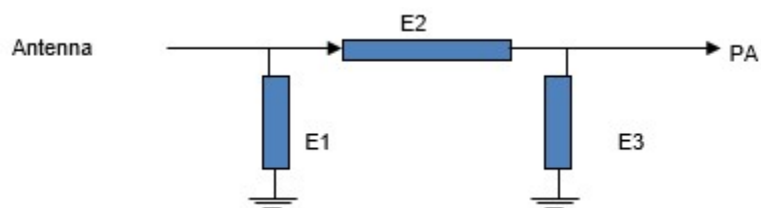
		free	
7#	Channel	TRP	TIS
R	CH 0	7.6	-90.4
	CH 39	8.2	-91.4
	CH 78	7.8	-91.0
		head model	
7#	Channel	TRP	TIS
R	CH 0	2.1	-85.0
	CH 39	3.0	-86.6
	CH 78	3.4	-87.1



OTA Standard Chamber



III: Antenna matching



Element	Value
E1(0201)	7.5nH
E2(0201)	3.9nH
E3(0201)	N/A

Note: The matching circuit of the right ear antenna is connected in parallel with a 7.5nH inductor at position E1 and in series with a 3.9nH inductor at position E2.



V: Antenna structure diagram file

