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Change record			
Compile / change date	Reason for change	Changed content	Version
2025.10.27	First edition	First edition	V1.0

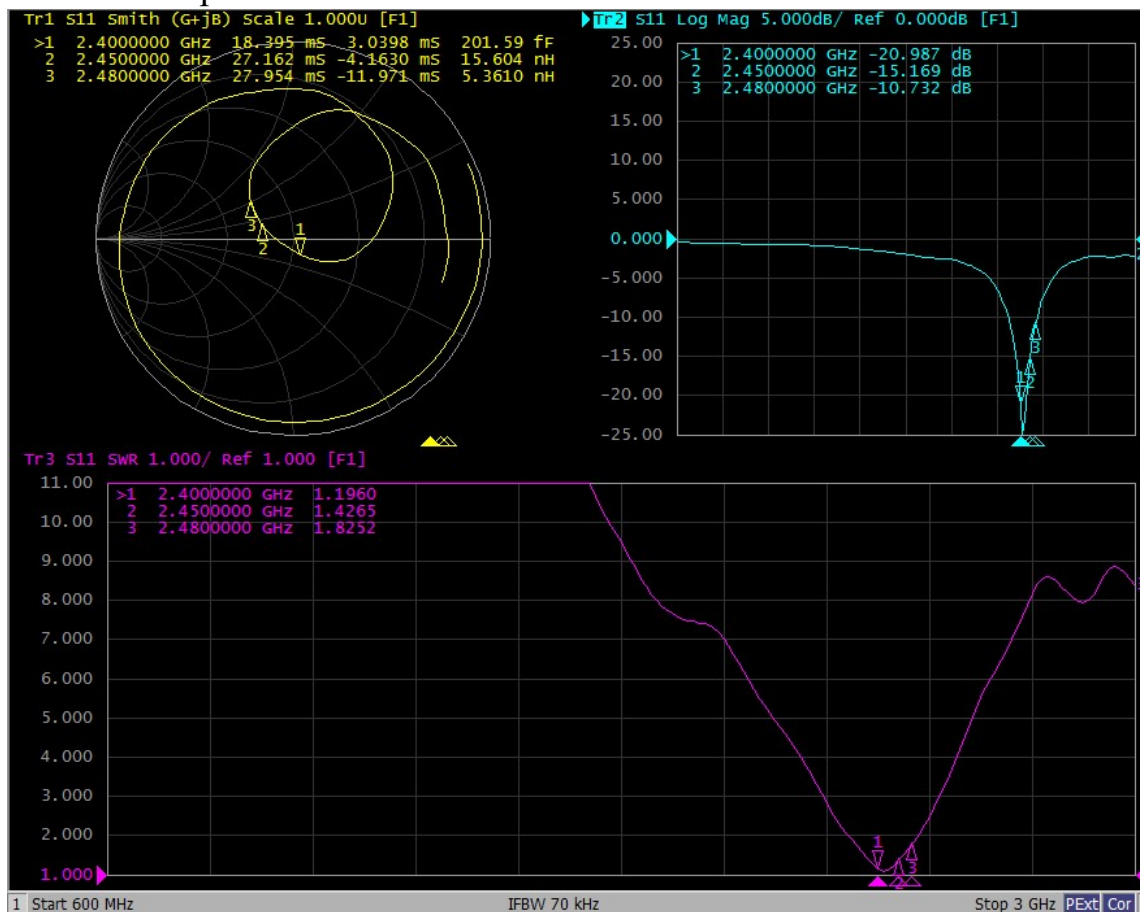


I: The report of passive data



Angilent E5071C

antenna S11 parameter:

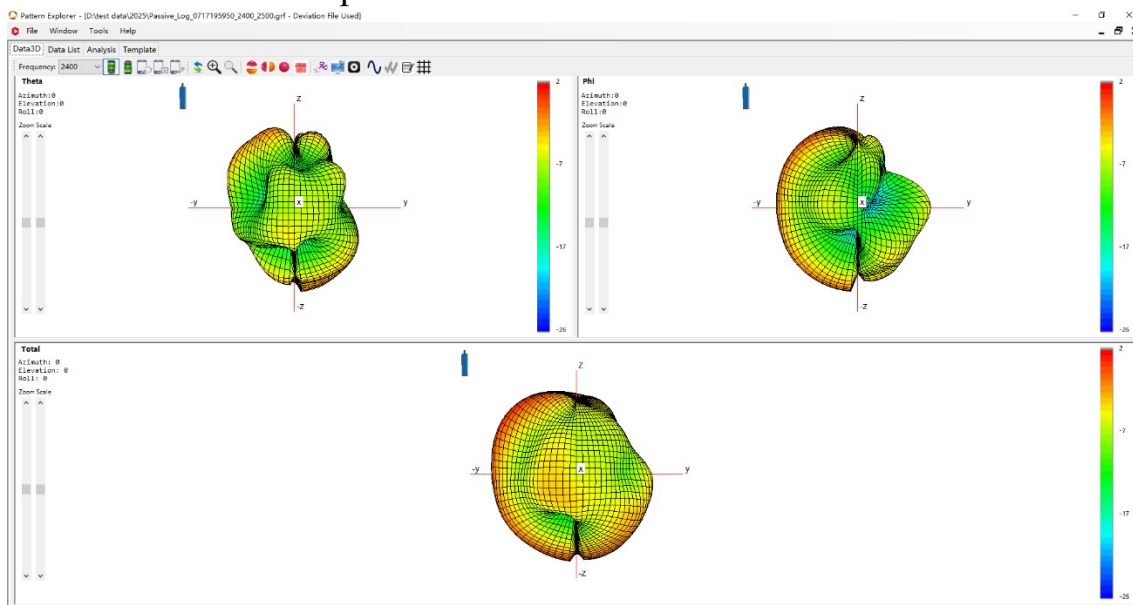




Antenna efficiency and gain:

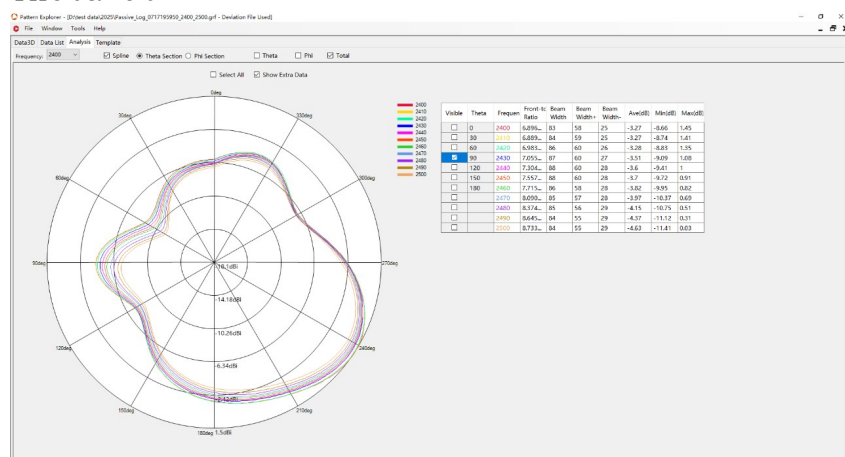
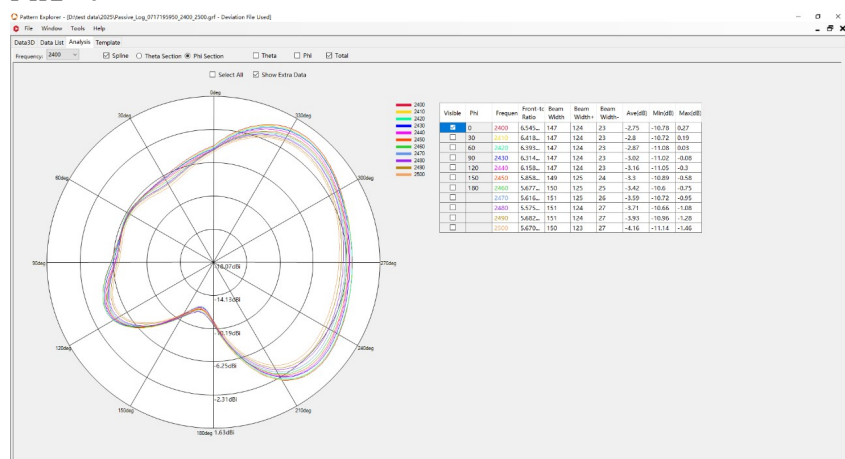
Pro Open Lid			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	52.3%	-2.8	1.5
2410	51.9%	-2.9	1.4
2420	51.2%	-2.9	1.4
2430	49.4%	-3.1	1.1
2440	48.0%	-3.2	1.0
2450	46.8%	-3.3	0.9
2460	45.4%	-3.4	0.8
2470	43.4%	-3.6	0.7
2480	41.5%	-3.8	0.5
AVG	47.8%	-3.2	1.0

3D Antenna radiation pattern:

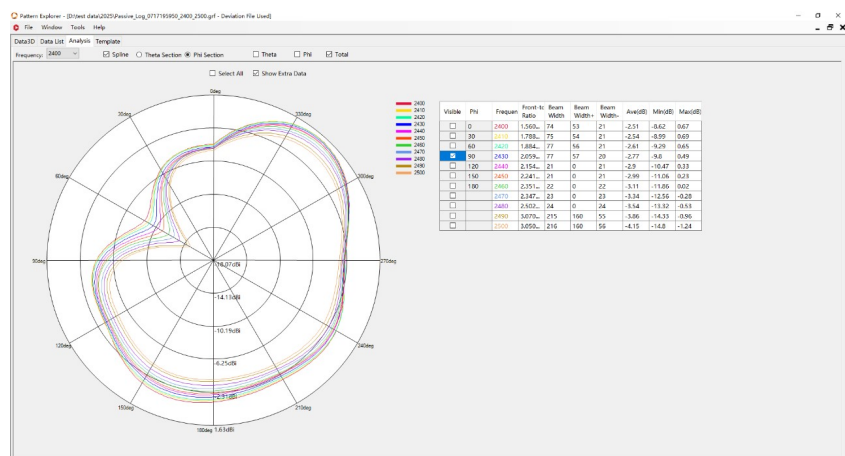


2D Antenna radiation pattern:

Theta=90°

 $\Phi=0^\circ$ 

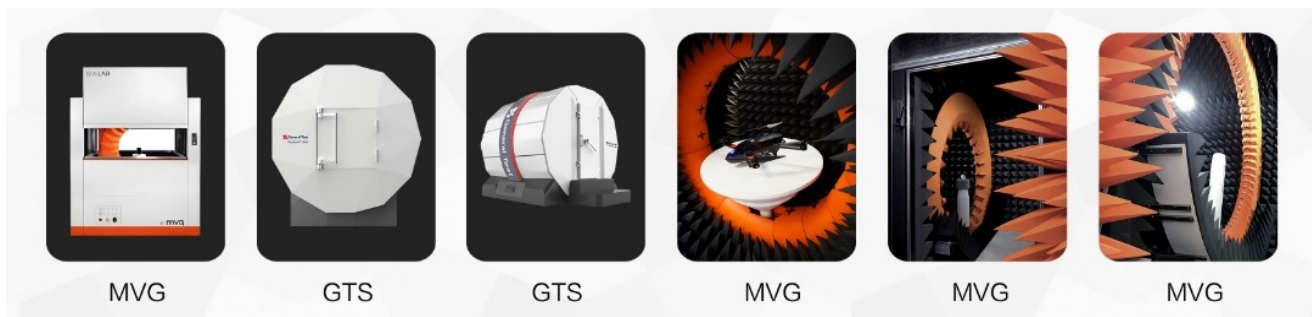
Phi=90°





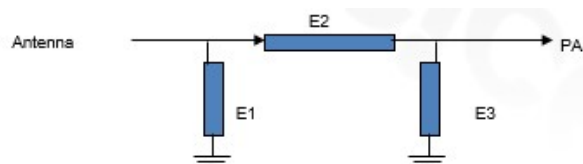
II: Active test data

Open the lid	Channel	TRP	TIS
BT	CH 0	8.9	-91.7
	CH 39	9.2	-92.2
	CH 78	9.3	-92.5



OTA Standard Chamber

III: Antenna matching

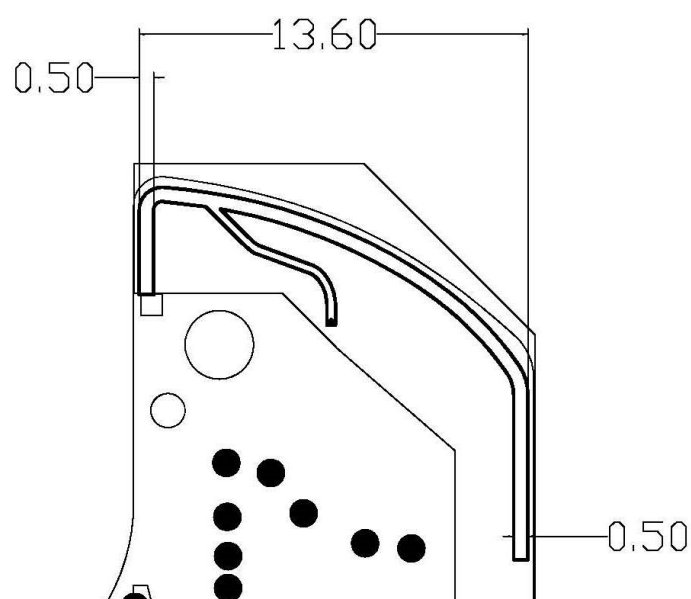


Element	Value
E1(0201)	N/A
E2(0201)	0Ω
E3(0201)	N/A

Note: The antenna matching circuit is connected in series with 0 ohms at position E2.



IV: Drawing



unit: mm