

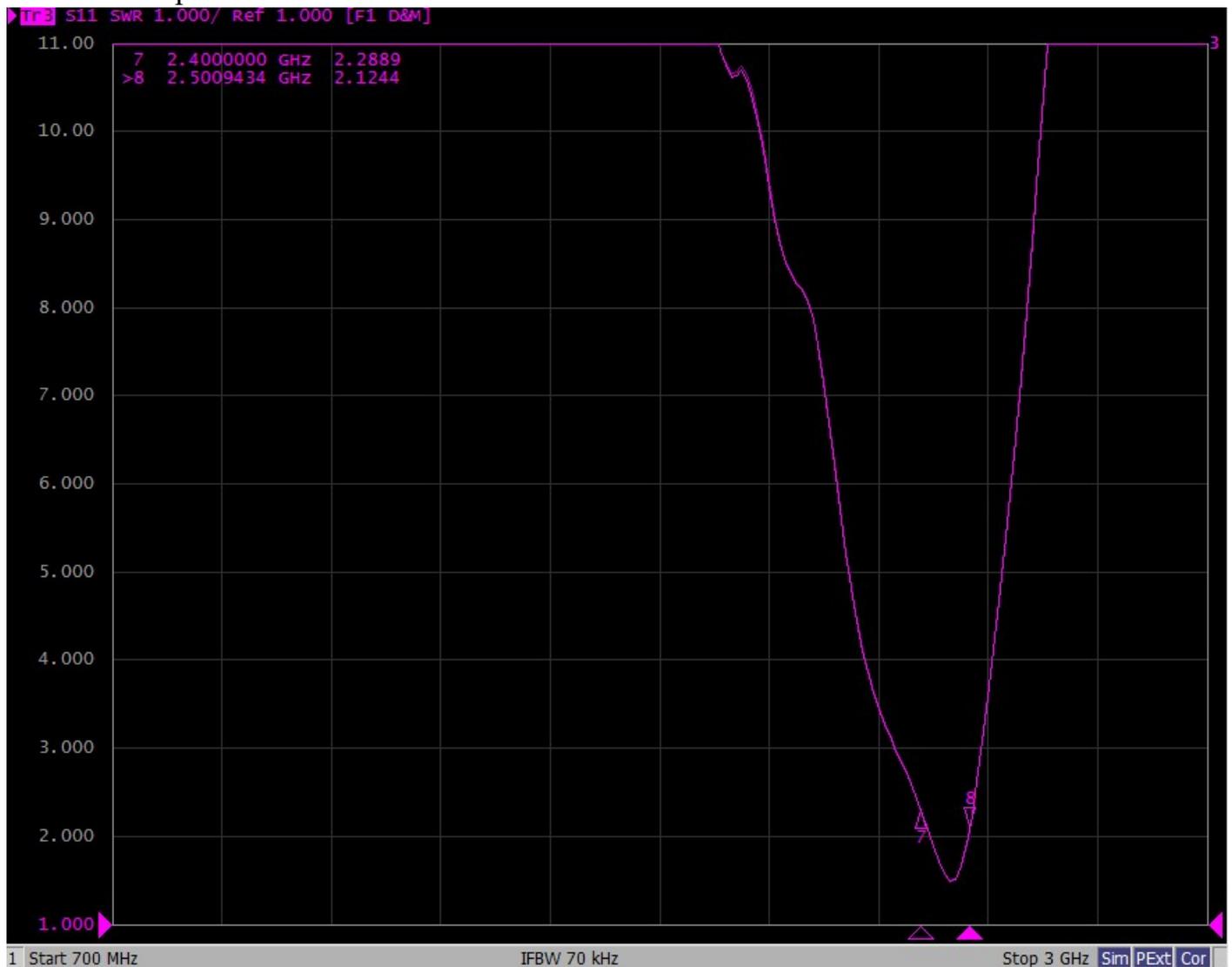


I: The report of passive data



Agilent E5071C

antenna S11 parameter:

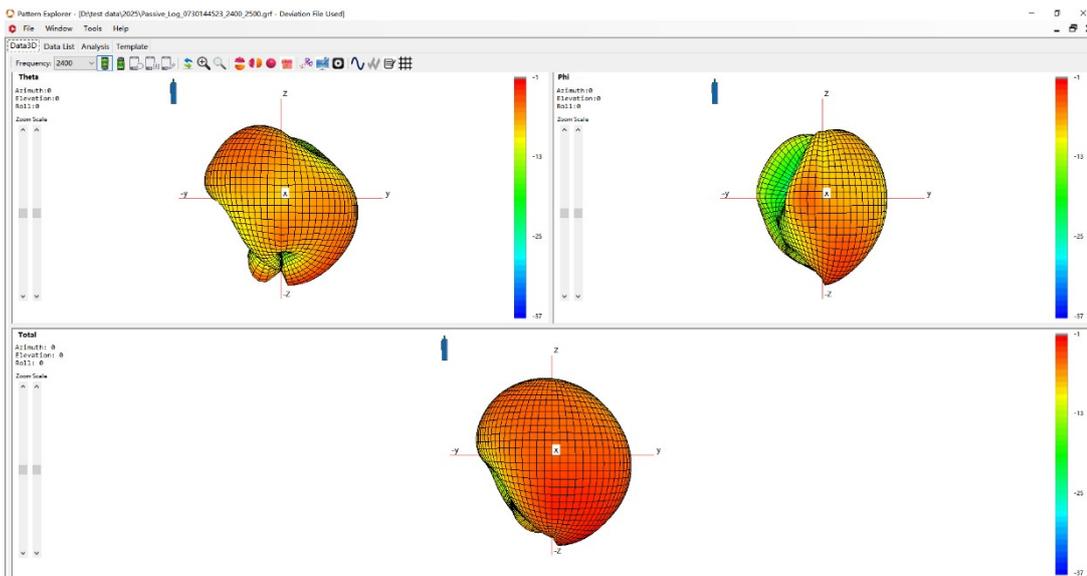




Antenna efficiency and gain:

2.4GHz			
Frequency (MHz)	Efficiency (dB )	Gain (dBi)	Efficiency (%)
2400	-6.20	-1.78	23.96
2410	-6.15	-1.68	24.29
2420	-6.13	-1.63	24.38
2430	-6.19	-1.67	24.03
2440	-6.23	-1.67	23.85
2450	-6.29	-1.67	23.50
2460	-6.39	-1.75	22.97
2470	-6.58	-1.91	21.98
2480	-6.82	-2.11	20.80
2490	-7.20	-2.46	19.03
2500	-7.62	-2.79	17.30

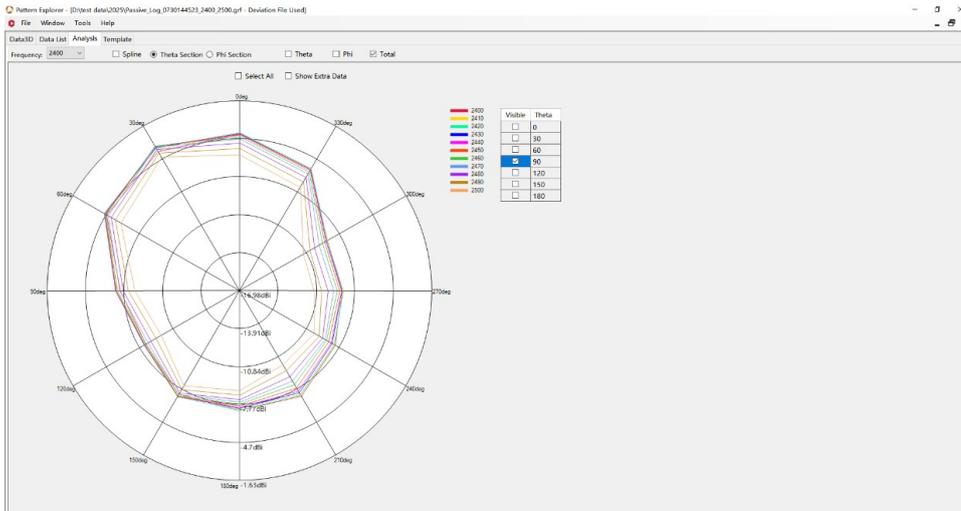
3D Antenna radiation pattern:



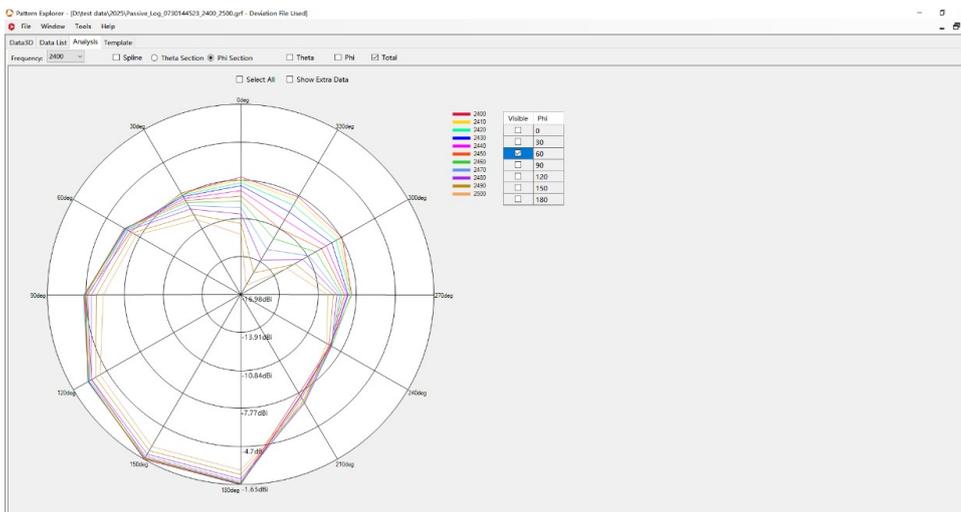


## 2D Antenna radiation pattern:

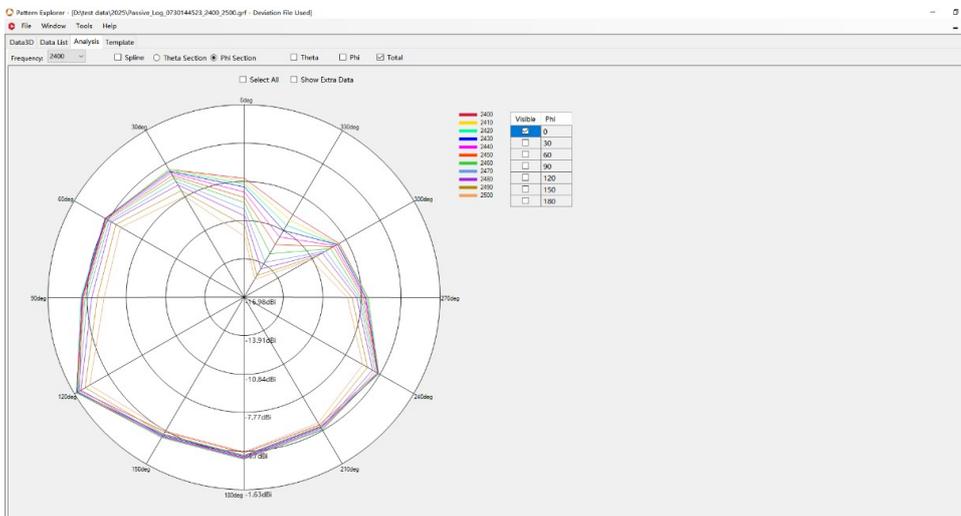
Theta = 90°



Phi=60°



Phi=0°





II: 3D Active test report of antenna

	Channel	Free		Head	
		TRP	TIS	TRP	TIS
R	CH 0	-2.0	-80.7	3.1	-86.2
	CH 39	-2.0	-77.6	3.2	-84.4
	CH 78	-2.7	-77.9	1.7	-84.0



OTA Standard Chamber



III: Antenna structure diagram file

