

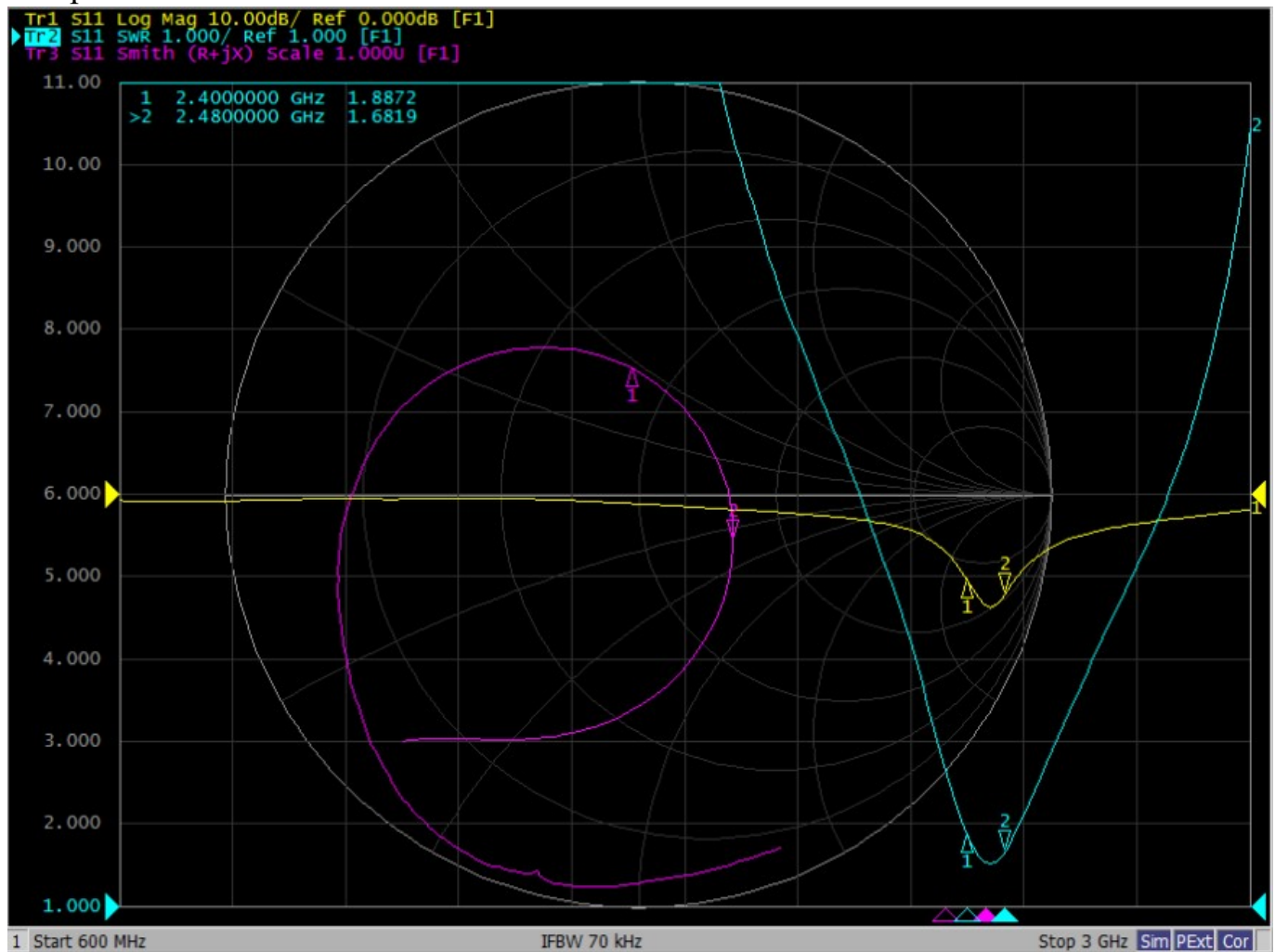


I: The report of passive data



Angilent E5071C

S11 parameter:

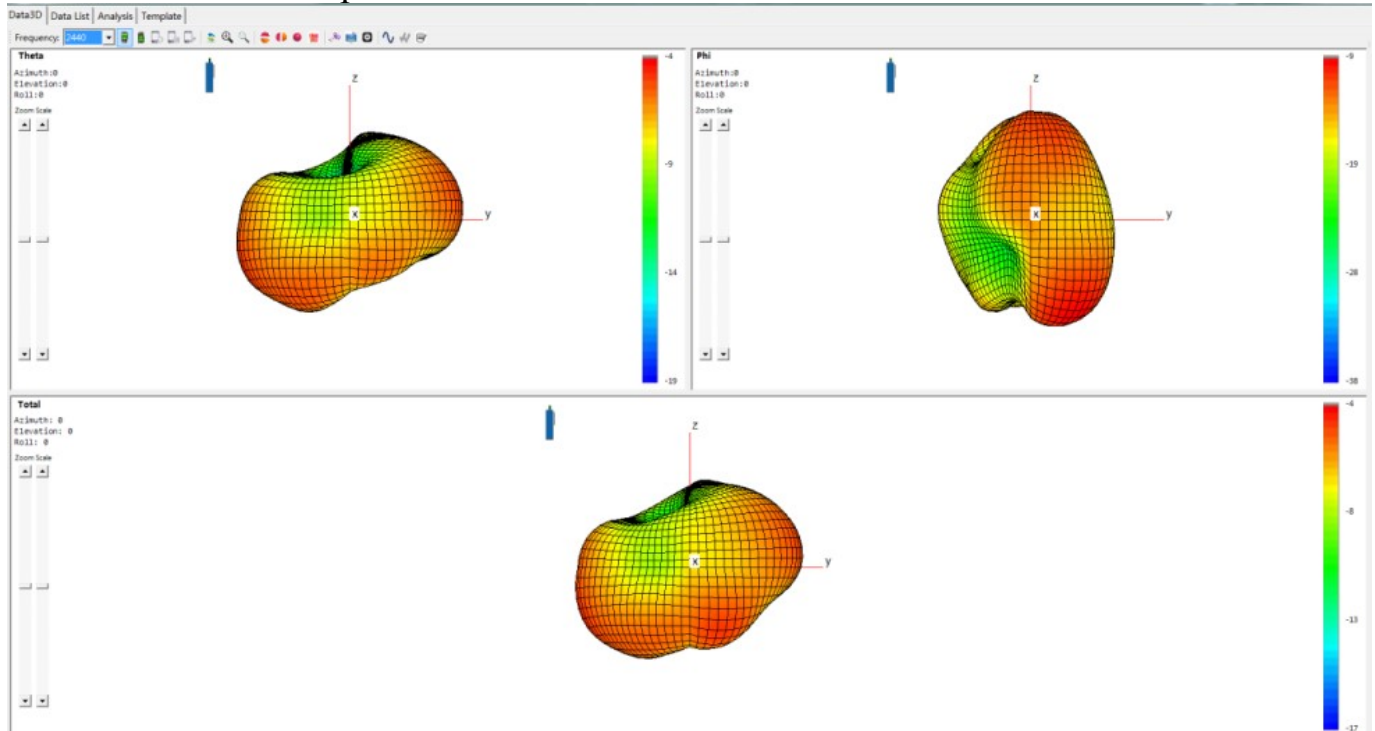




Efficiency:

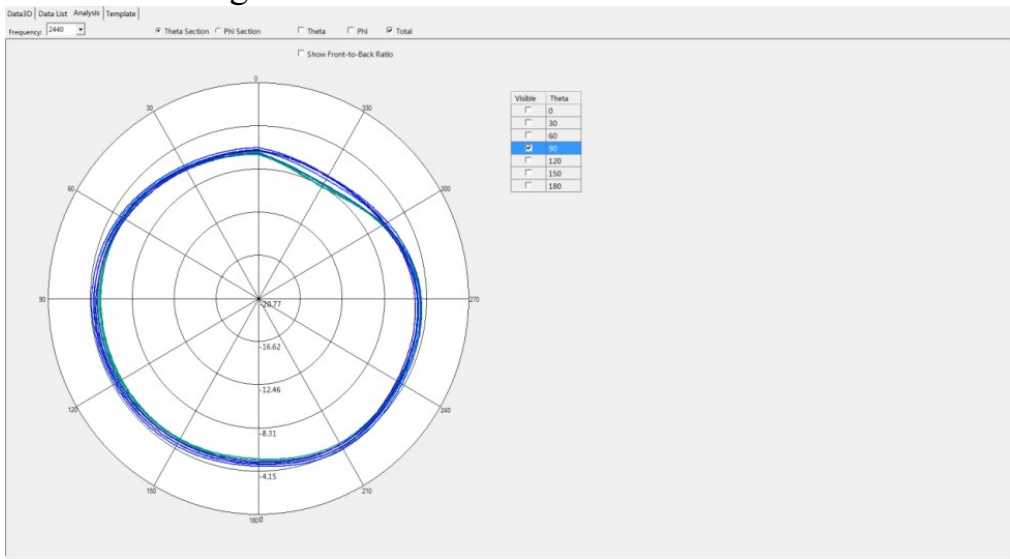
R			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	26.9%	-5.71	-4.27
2410	27.0%	-5.68	-4.23
2420	26.7%	-5.73	-4.30
2430	27.6%	-5.60	-4.21
2440	27.1%	-5.67	-4.34
2450	28.0%	-5.52	-4.24
2460	28.7%	-5.42	-4.07
2470	26.9%	-5.70	-4.33
2480	25.4%	-5.95	-4.57
Average value	27.2%	-5.66	-4.28

3D Antenna radiation pattern: dBi

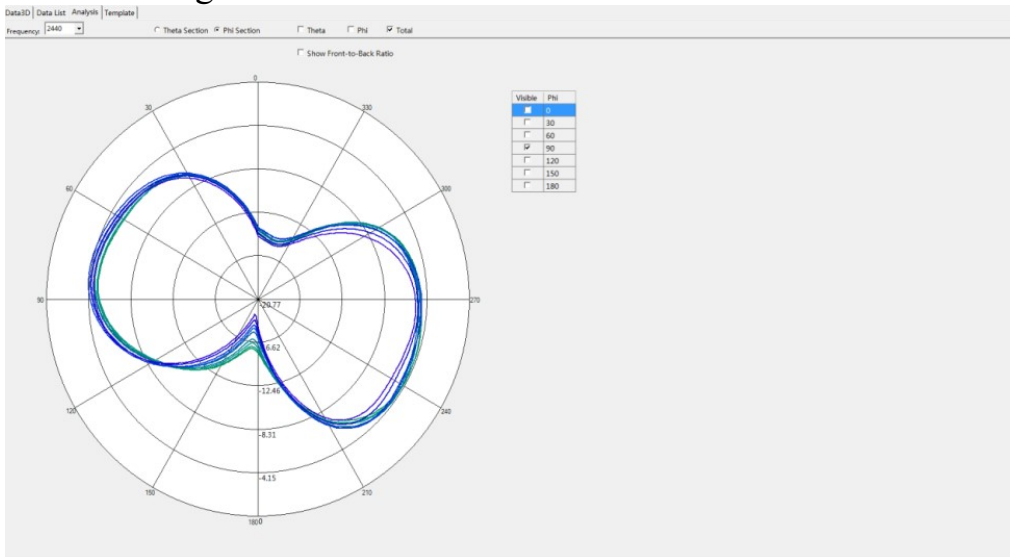




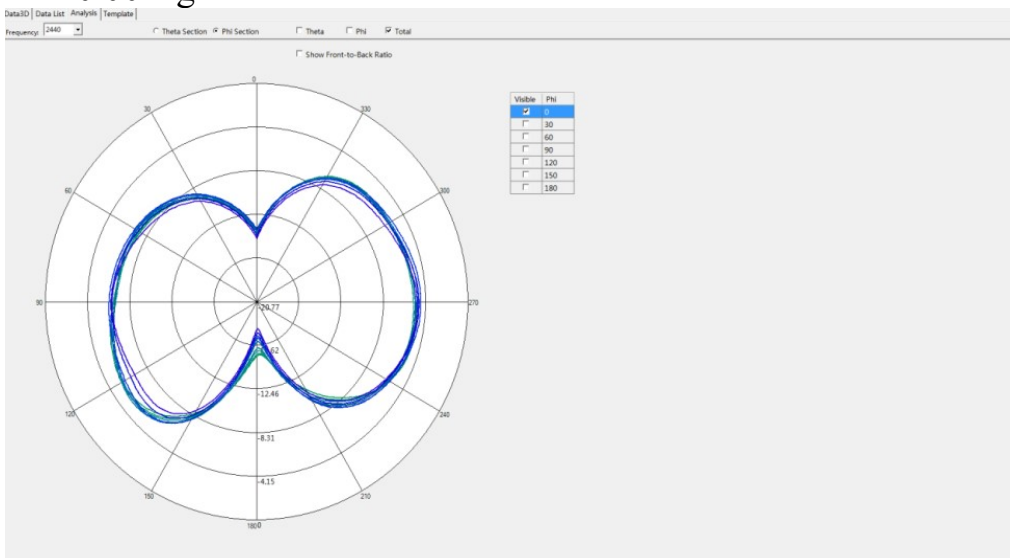
Antenna radiation pattern: dBi Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	4.4	-89.4
	CH 39	5.9	-90.2
	CH 78	3.9	-90.2

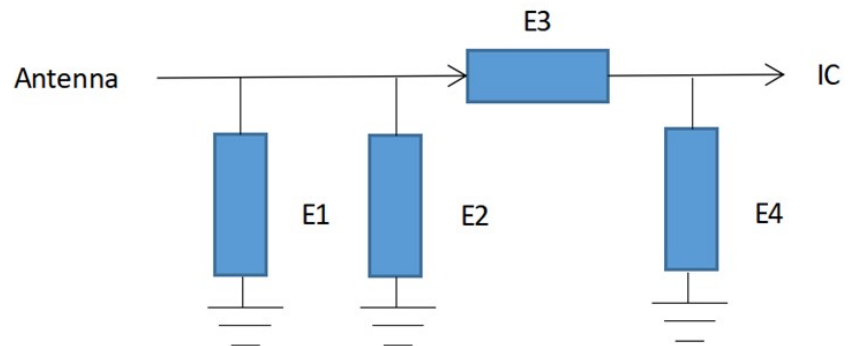
Headform	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	-0.1	-85.6
	CH 39	0.4	-85.7
	CH 78	-1.2	-84.1



OTA Standard Chamber

III: Matching circuit

Element	Value
E1(0201)	N/A
E2(0201)	2.4pF
E3(0201)	0Ω
E4(0201)	N/A





IV: Structure file

