

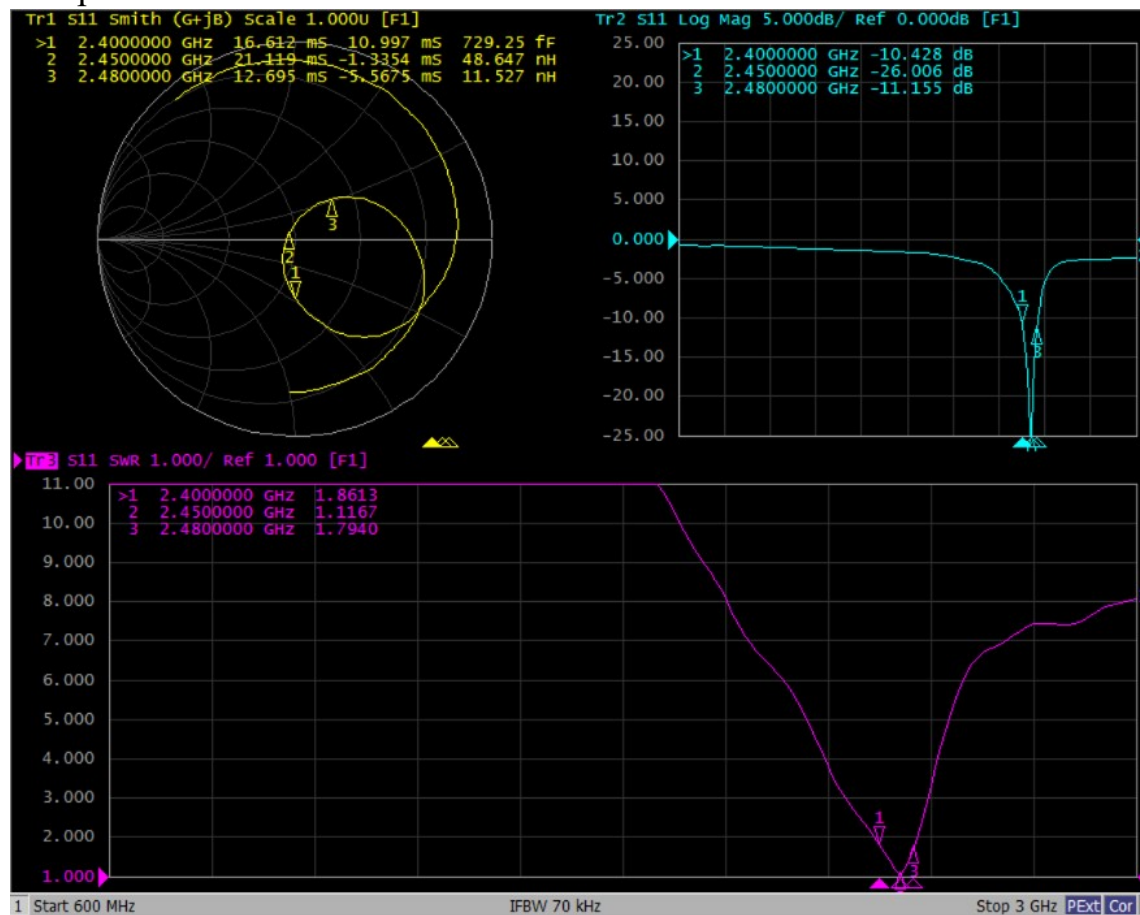


I: The report of passive data



Angilent E5071C

S11 parameter:

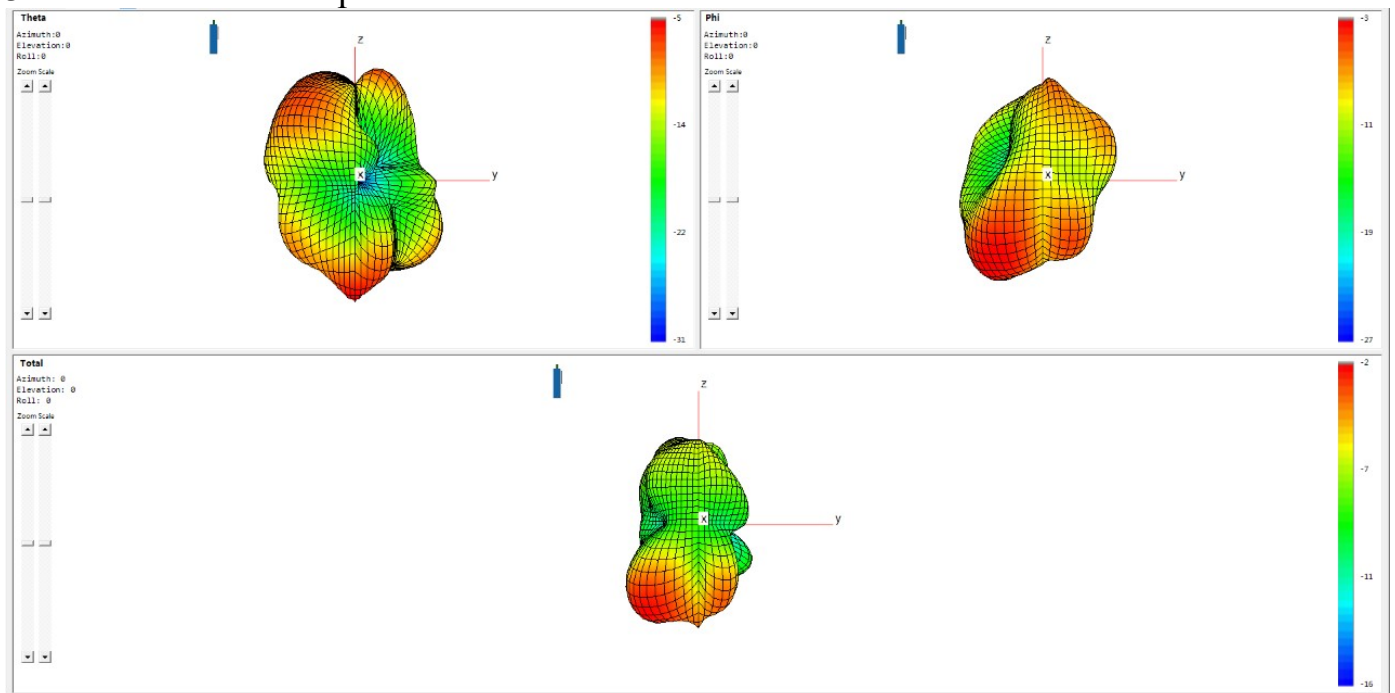




Efficiency:

BT			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-2.60	-7.43	18%
2410	-2.61	-7.04	20%
2420	-2.64	-6.88	20%
2430	-2.64	-6.85	21%
2440	-2.70	-6.74	21%
2450	-3.16	-6.95	20%
2460	-3.29	-6.87	21%
2470	-3.49	-6.95	20%
2480	-4.00	-7.44	18%
Average value	-3.02	-7.02	20%

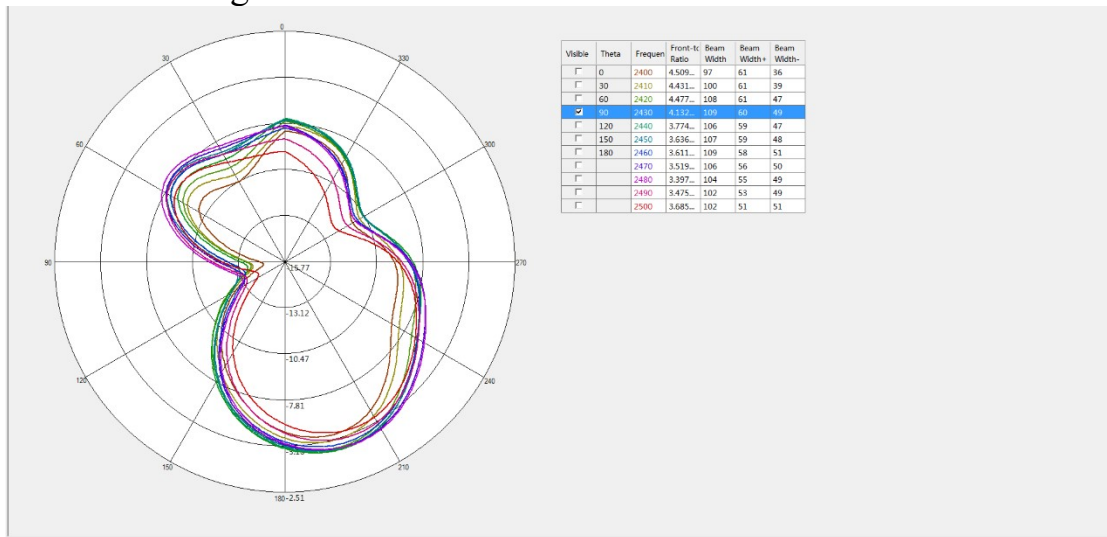
3D Antenna radiation pattern:



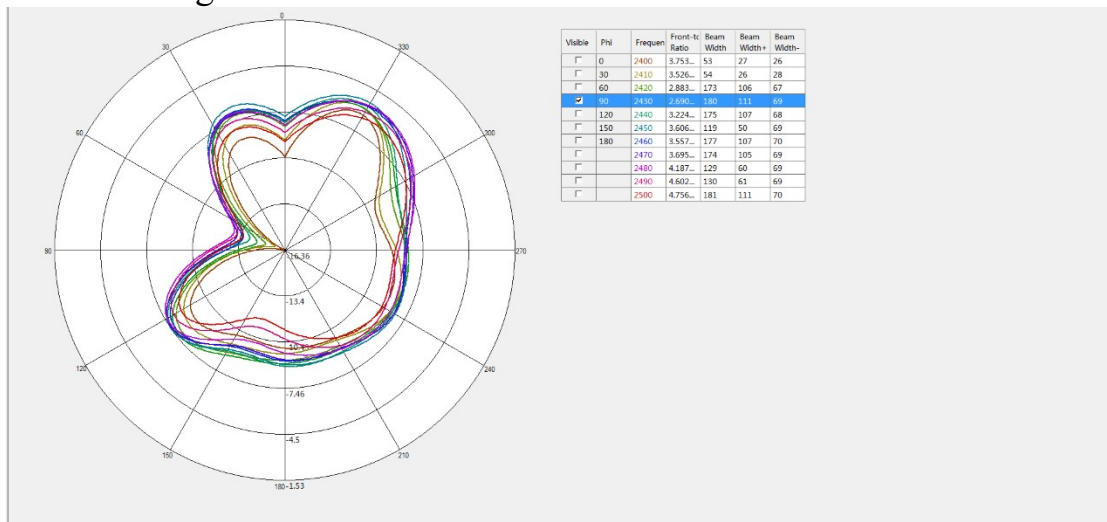


Antenna radiation pattern:

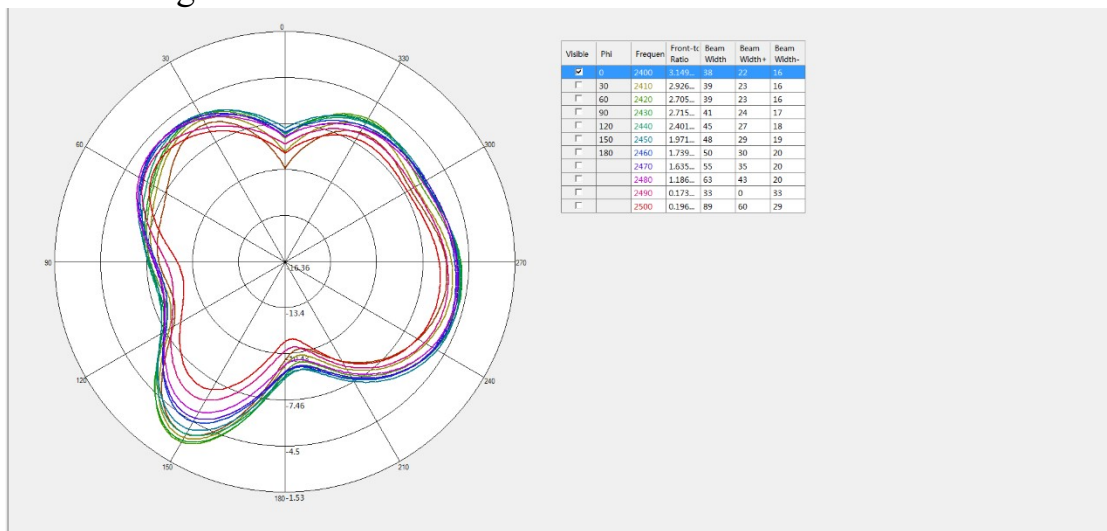
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
L	CH 0	4.3	-90.0
	CH 39	5.2	-90.1
	CH 78	5.4	-89.3

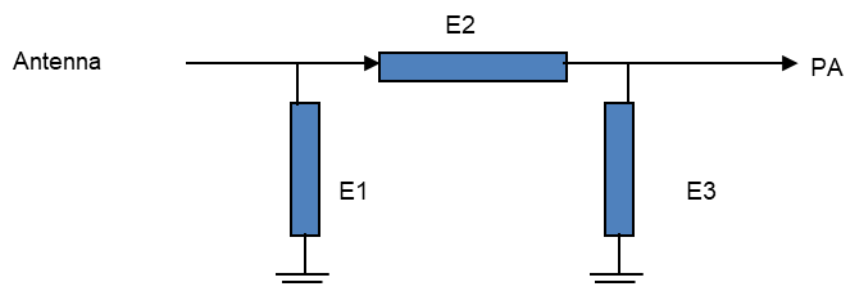
Headform	Channel	TRP(dBm)	TIS (dBm)
L	CH 0	-0.3	-85.3
	CH 39	-0.5	-84.5
	CH 78	-0.5	-84.1



OTA Standard Chamber

III: Matching circuit

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





V: Structure file

