

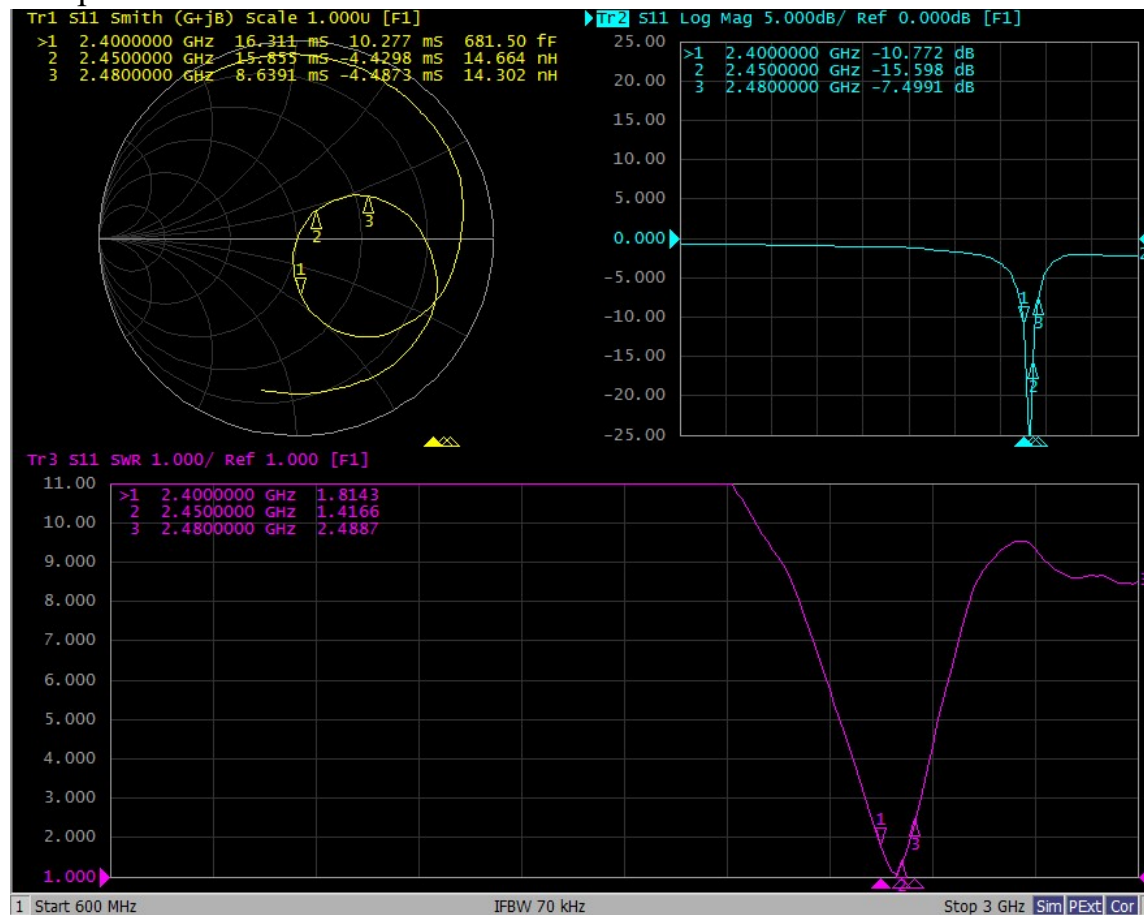


I: The report of passive data



Angilent E5071C

S11 parameter:

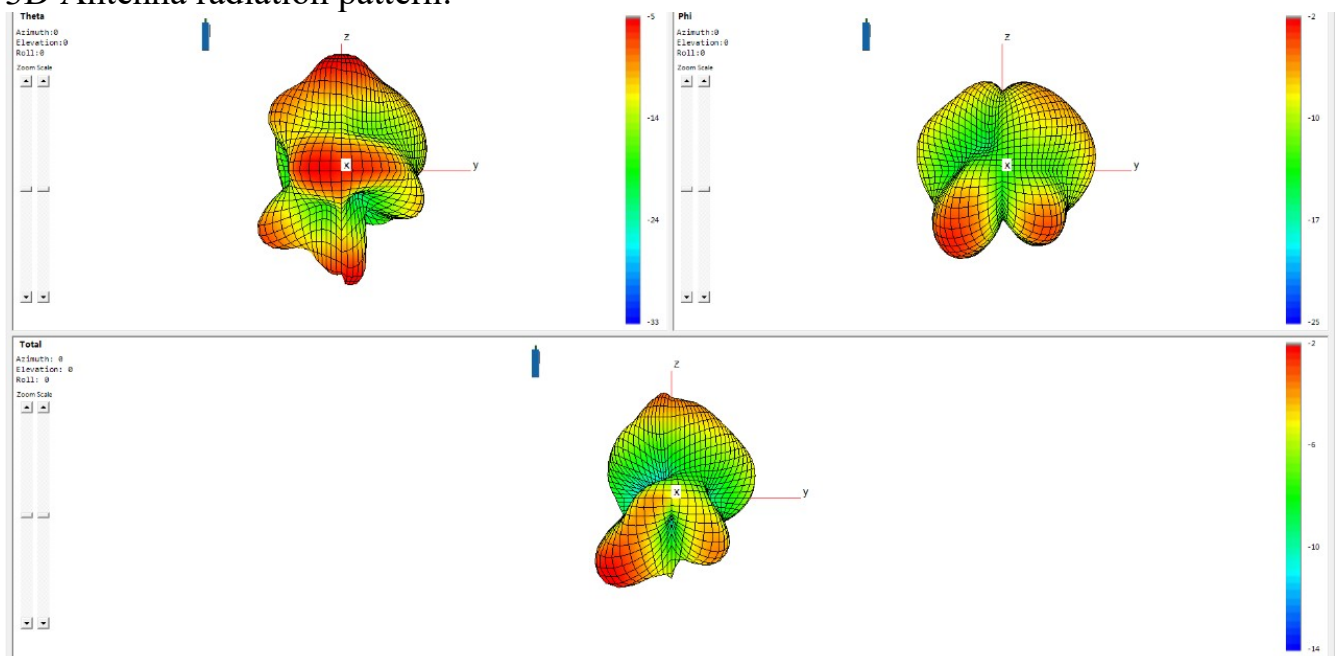




Efficiency:

BT			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-2.4	-7.2	19%
2410	-2.3	-7.2	19%
2420	-2.2	-7.3	19%
2430	-2.1	-7.1	20%
2440	-2.1	-7.1	20%
2450	-1.7	-6.7	21%
2460	-1.5	-6.5	23%
2470	-1.6	-6.6	22%
2480	-1.7	-6.7	22%
Average value	-1.9	-6.9	20.4%

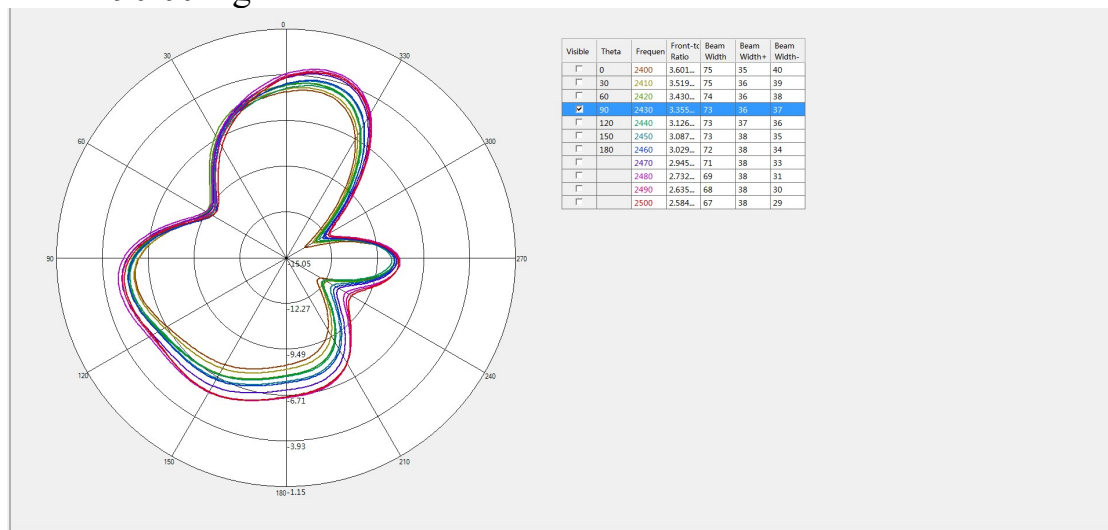
3D Antenna radiation pattern:



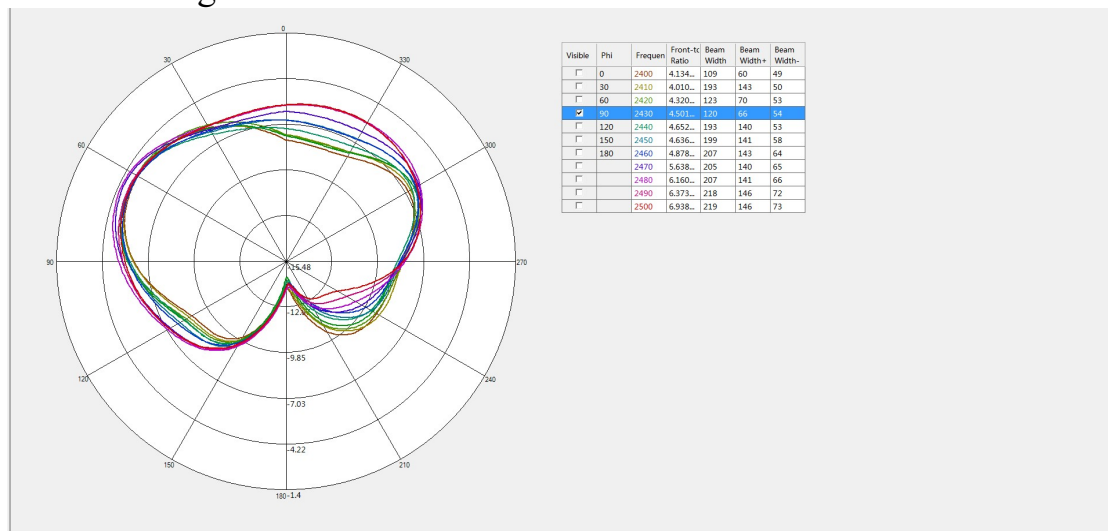


Antenna radiation pattern:

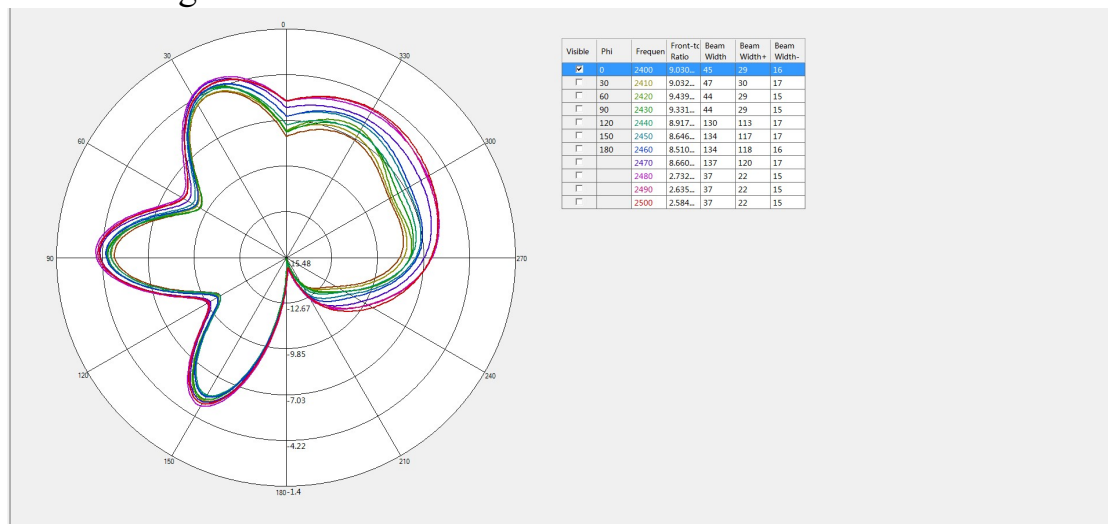
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	2.9	-89.7
	CH 39	4.6	-91.0
	CH 78	5.9	-90.6

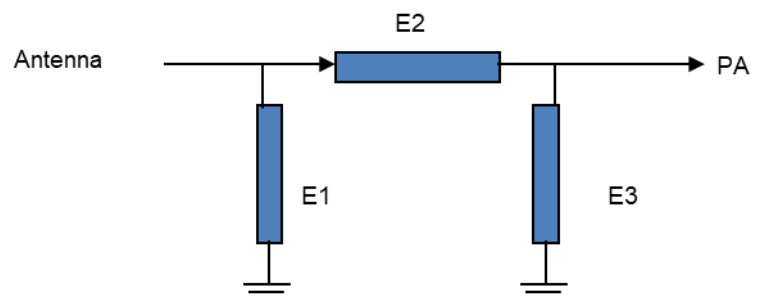
Headform	Channel	TRP (dBm)	TIS(dBm)
R	CH 0	-0.6	-85.6
	CH 39	0.4	-86.0
	CH 78	0.3	-85.4



OTA Standard Chamber

III: Matching circuit

Element	Value
E1(0201)	N/A
E2(0201)	1.5nH
E3(0201)	N/A





V: Structure file

