

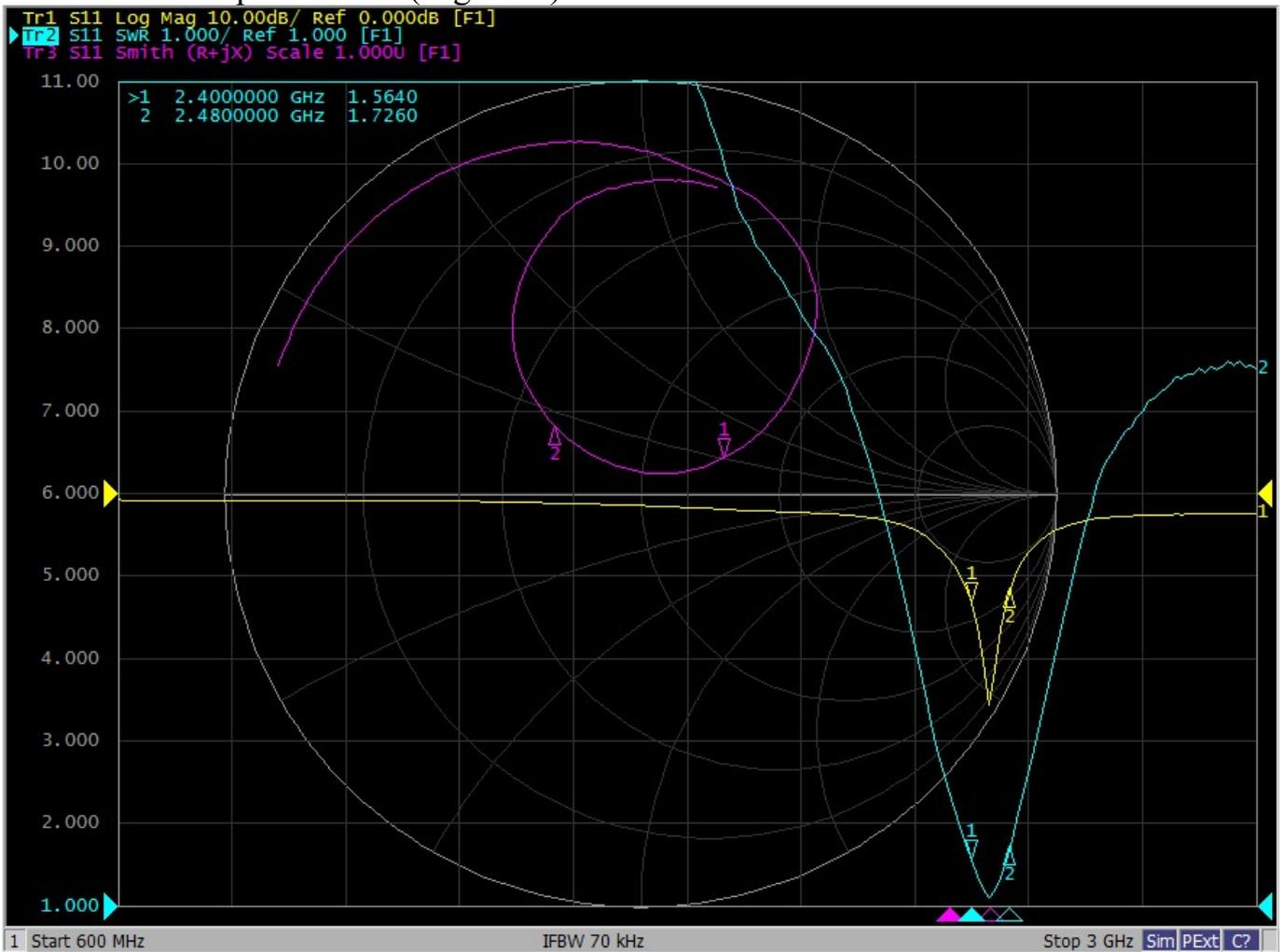


I: The report of passive data



Agilent E5071C

BT antenna S11 parameters: (Right ear)





Efficiency: (Right ear free)

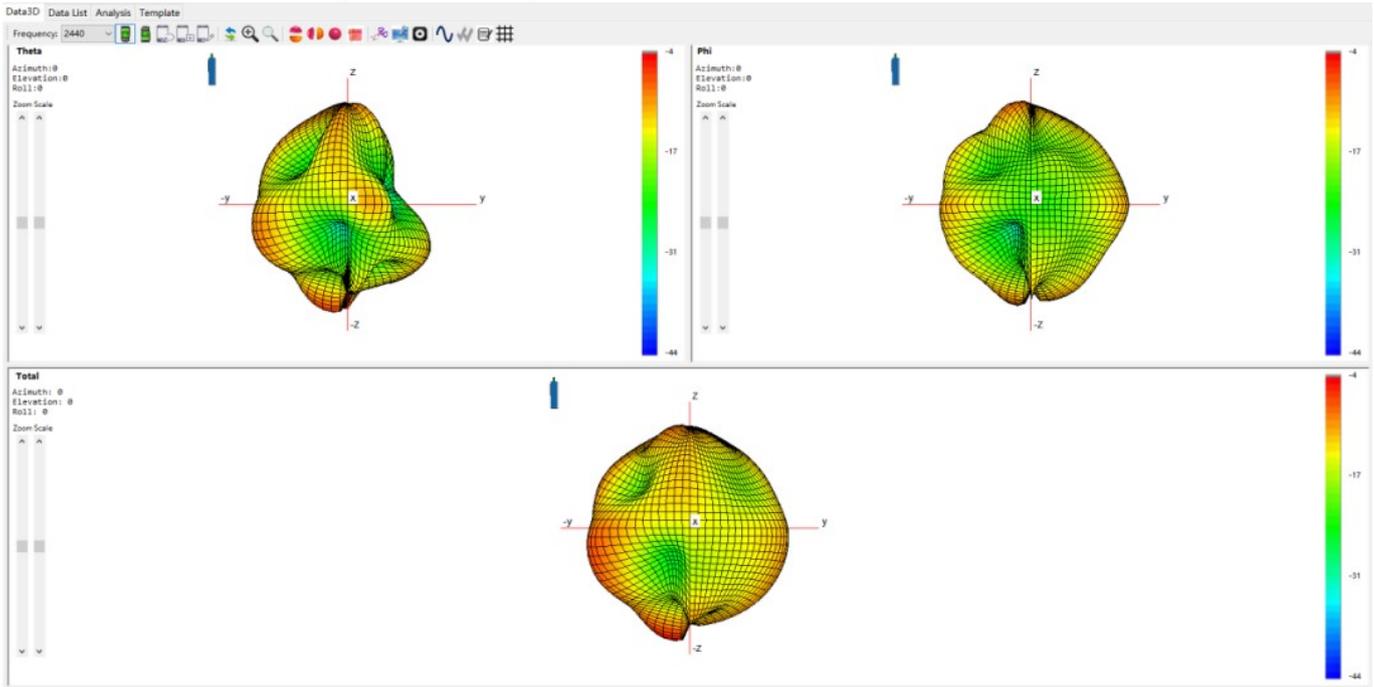
R: PIFA+parasitic; free			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	35.1%	-4.55	-1.12
2410	38.2%	-4.17	-0.69
2420	40.5%	-3.93	-0.37
2430	41.6%	-3.81	-0.19
2440	41.6%	-3.81	-0.13
2450	40.2%	-3.96	-0.27
2460	38.5%	-4.15	-0.37
2470	36.2%	-4.41	-0.55
2480	34.1%	-4.67	-0.72
AVG	38.4%	-4.16	-0.49

Efficiency: (Right Ear Head Model)

R: PIFA+parasitic; Head Model			
Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	7.6%	-11.22	-5.76
2410	8.1%	-10.89	-5.30
2420	8.7%	-10.62	-4.98
2430	8.9%	-10.49	-4.72
2440	9.1%	-10.41	-4.55
2450	9.1%	-10.42	-4.52
2460	8.9%	-10.53	-4.53
2470	8.5%	-10.72	-4.65
2480	8.0%	-10.98	-4.87
AVG	8.5%	-10.70	-4.88

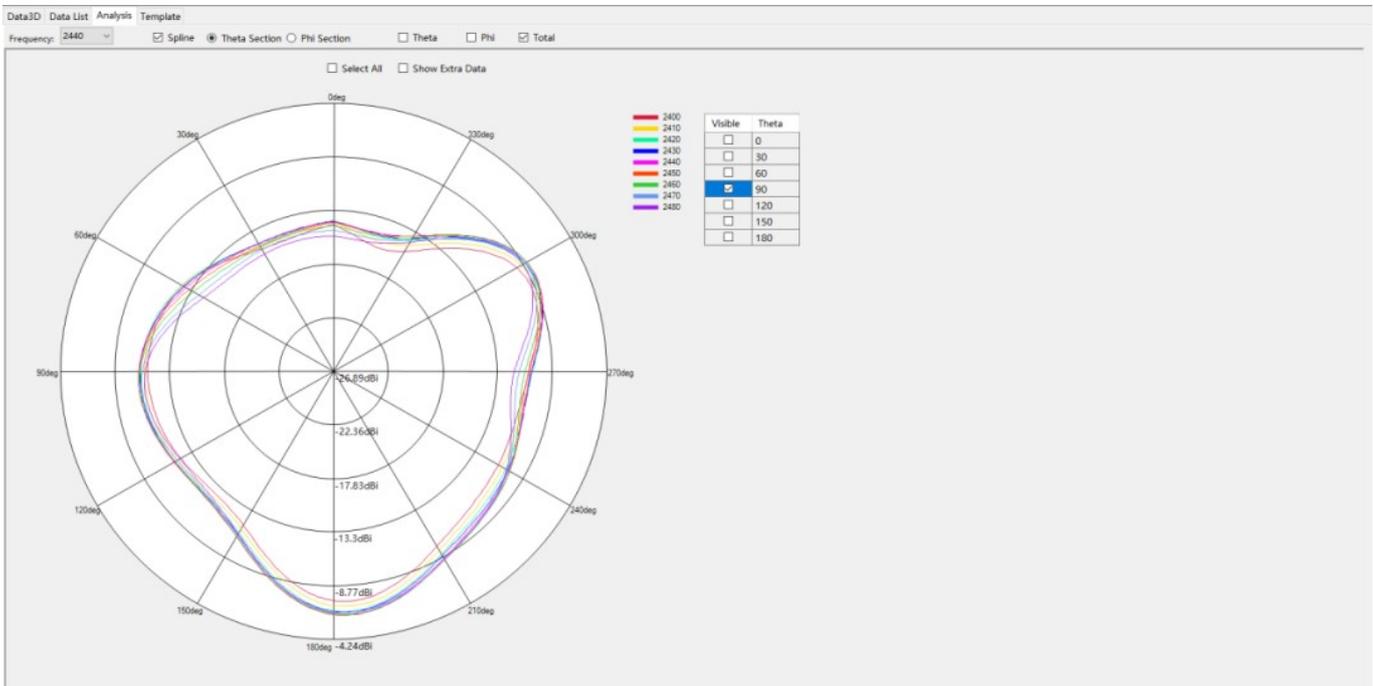


3D Antenna radiation pattern: (Right Ear Head Model)



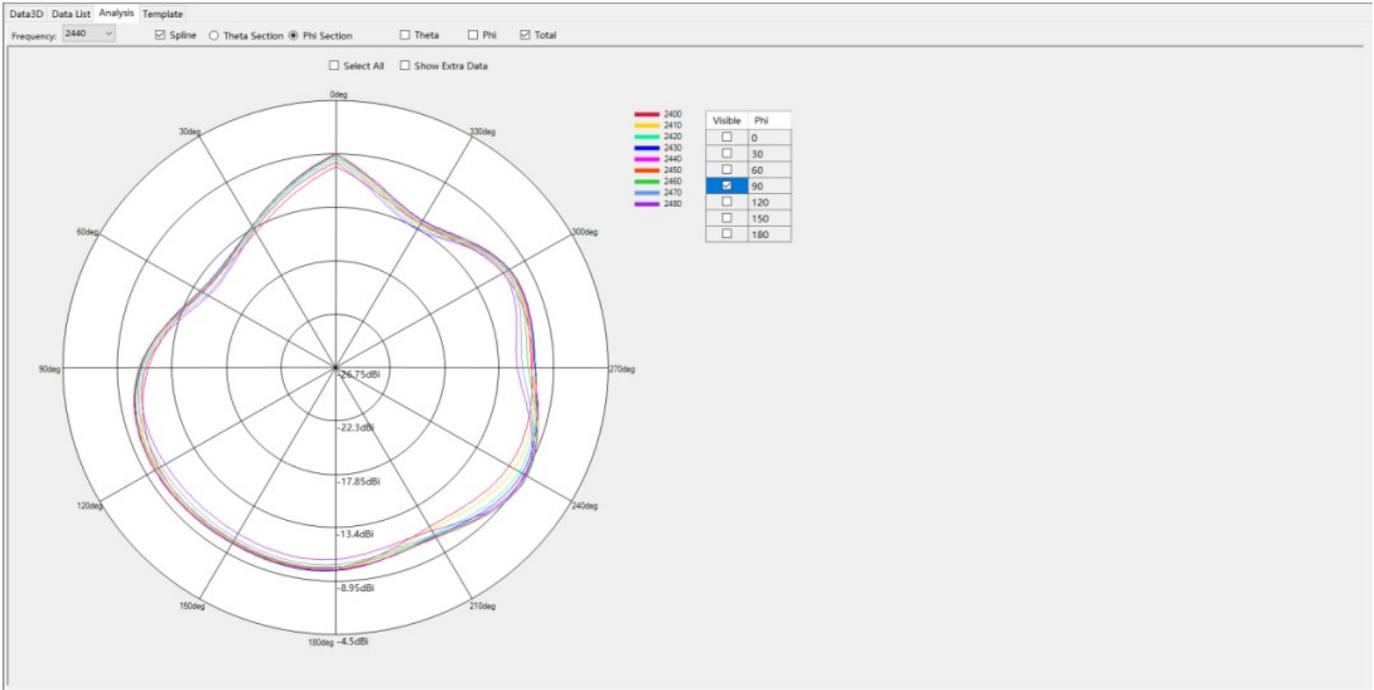
2D Antenna radiation pattern: (Right Ear Head Model)

Theta=90°

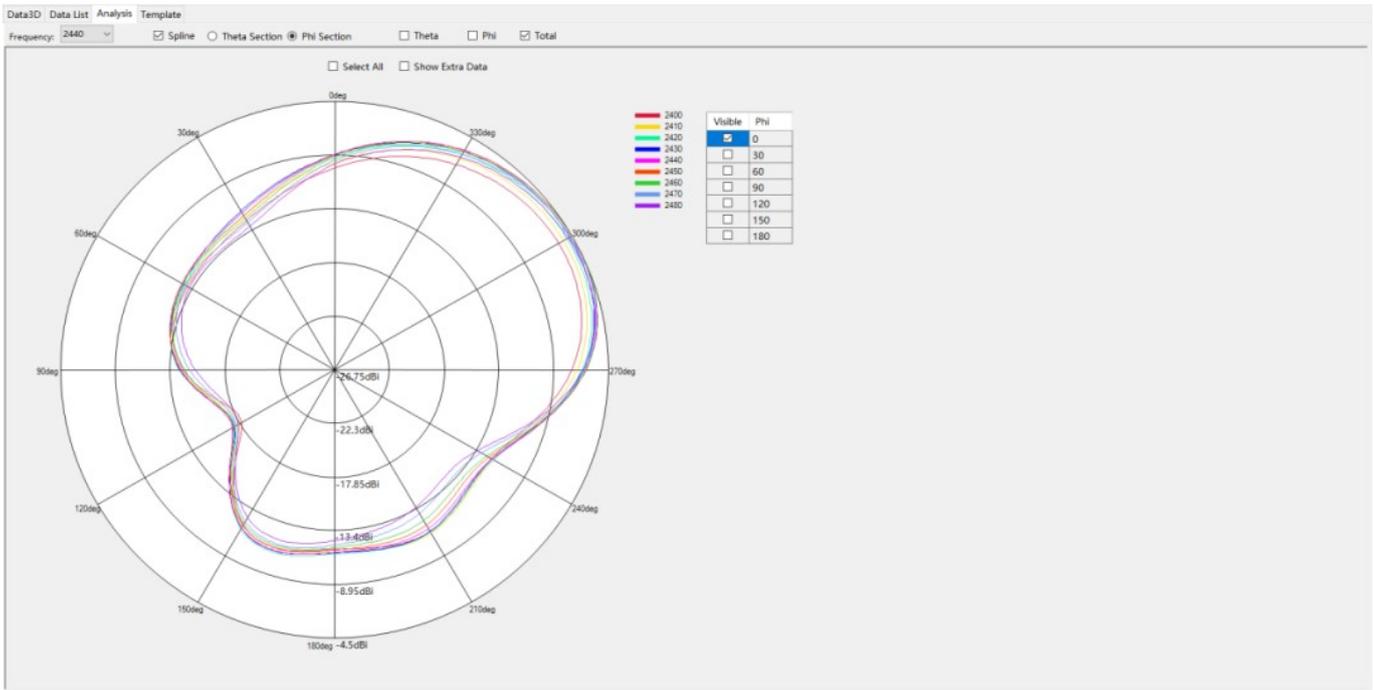




Phi=90°



Phi=0°





II: 3D Active test report of antenna

		free		Head Model	
R	Channel	TRP	TIS	TRP	TIS
	0	8.3	-91.1	-0.8	-82.1
	39	8.9	-91.4	-0.2	-83.3
	78	8.5	-91.4	-0.5	-83.8

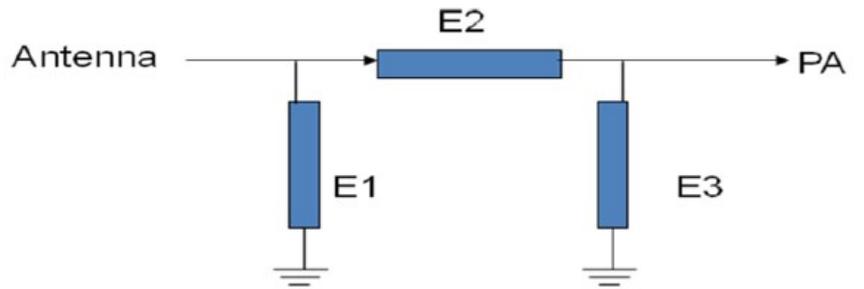


OTA Standard Chamber

III: Matching circuit

Antenna matching circuit (Right ear)

Element	Value
E1	N/A
E2	0 Ω
E3	N/A





IV: Antenna structure diagram file

