

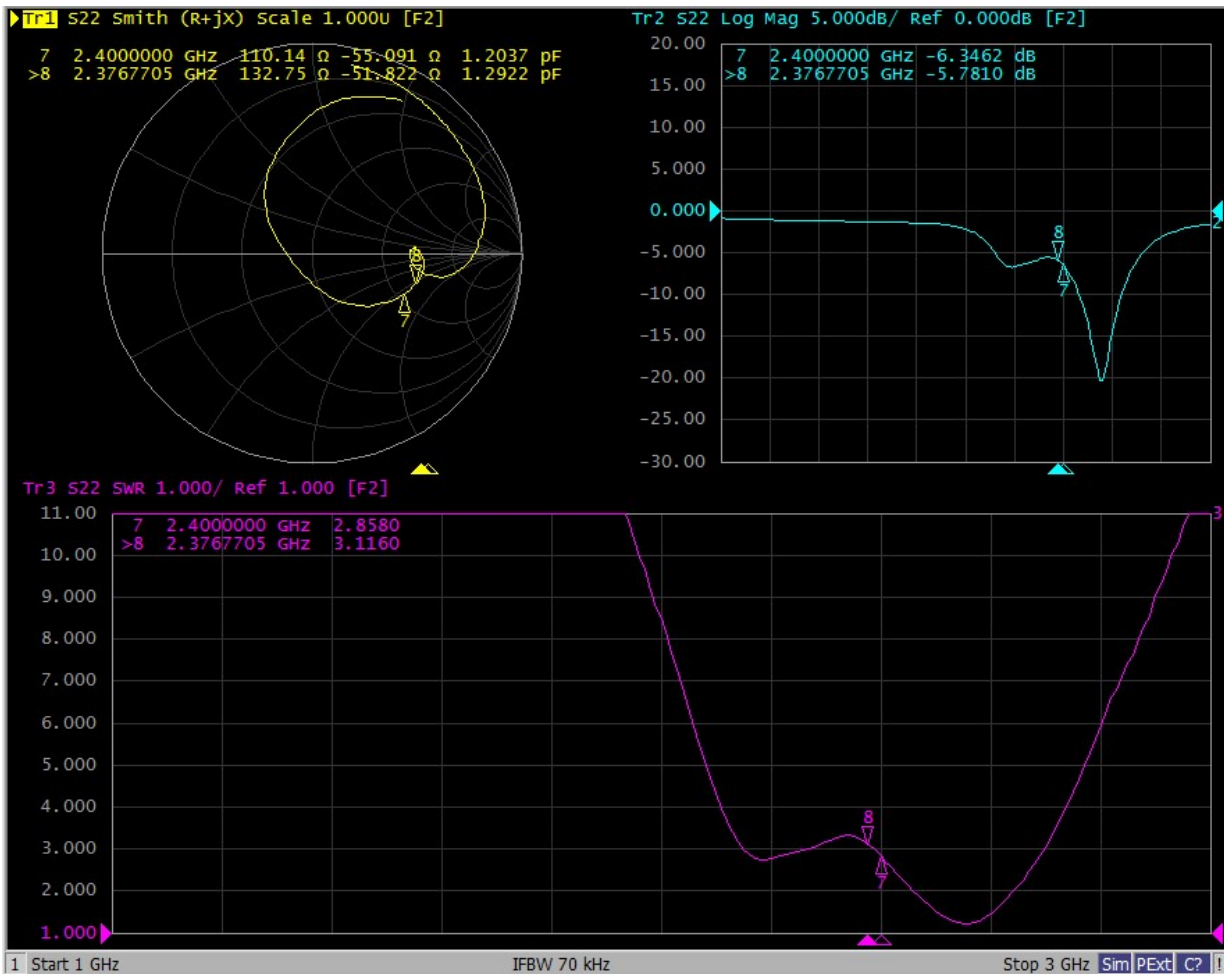


I: The report of passive data



Angilent E5071C

Right antenna VSWR(S11) parameter

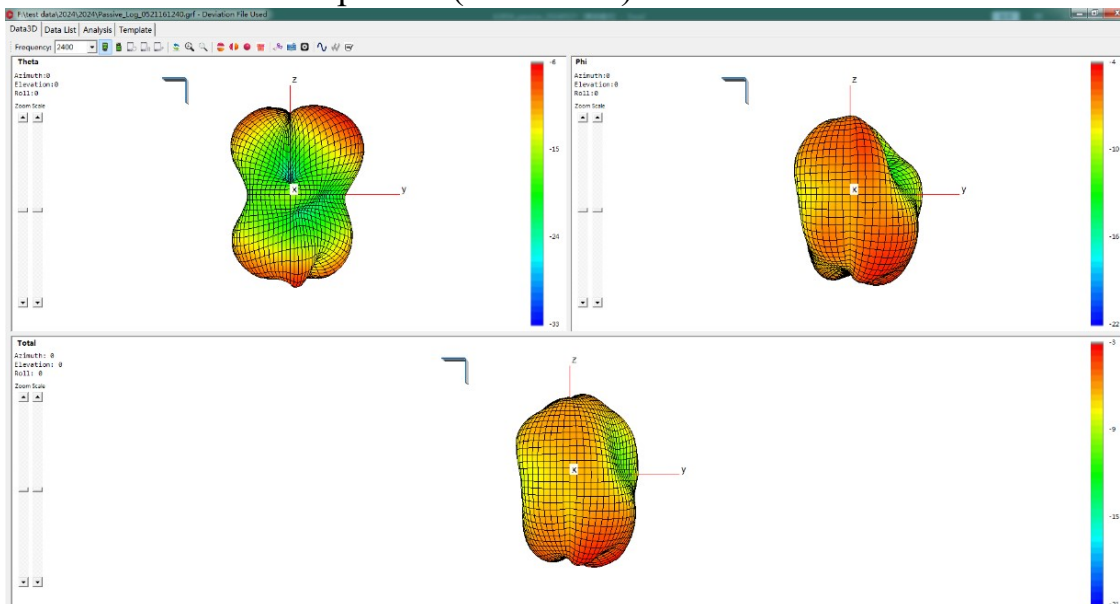




Passive efficiency and gain of left ear antenna

R			
Frequency (MHz)	Gain (dBi)	Efficiency (dB )	Efficiency(%)
2400	-3.02	-7.24	18.88
2410	-2.92	-7.28	18.73
2420	-2.94	-7.30	18.64
2430	-2.96	-7.39	18.24
2440	-3.09	-7.58	17.45
2450	-2.99	-7.57	17.48
2460	-3.01	-7.69	17.02
2470	-2.76	-7.39	18.25
2480	-2.57	-7.07	19.62
2490	-2.70	-7.17	19.19
2500	-2.78	-7.16	19.23
Average value	-2.89	-7.35	18.43

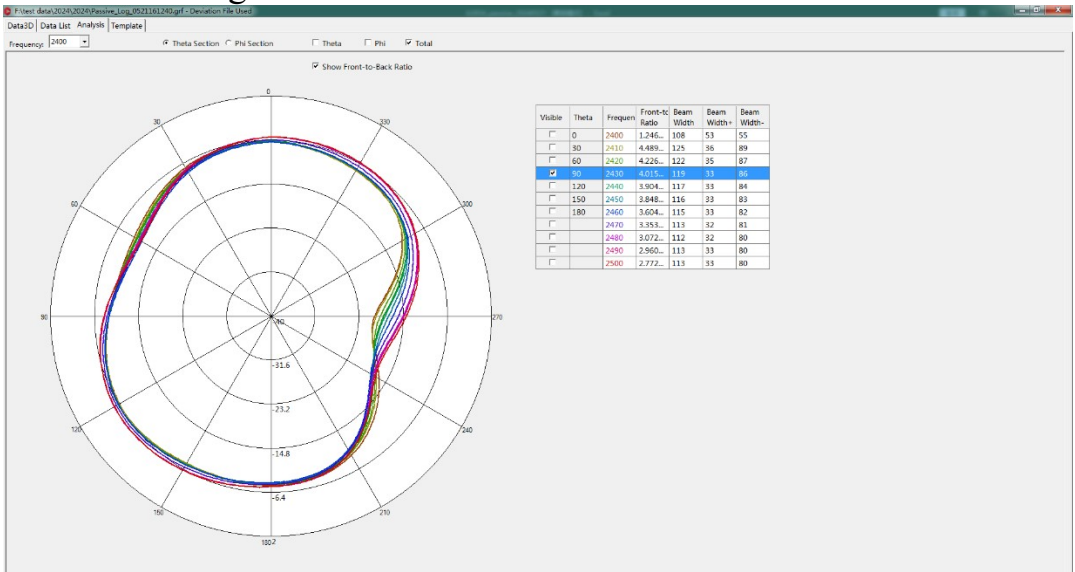
Antenna radiation 3D pattern (Unit: dBi)



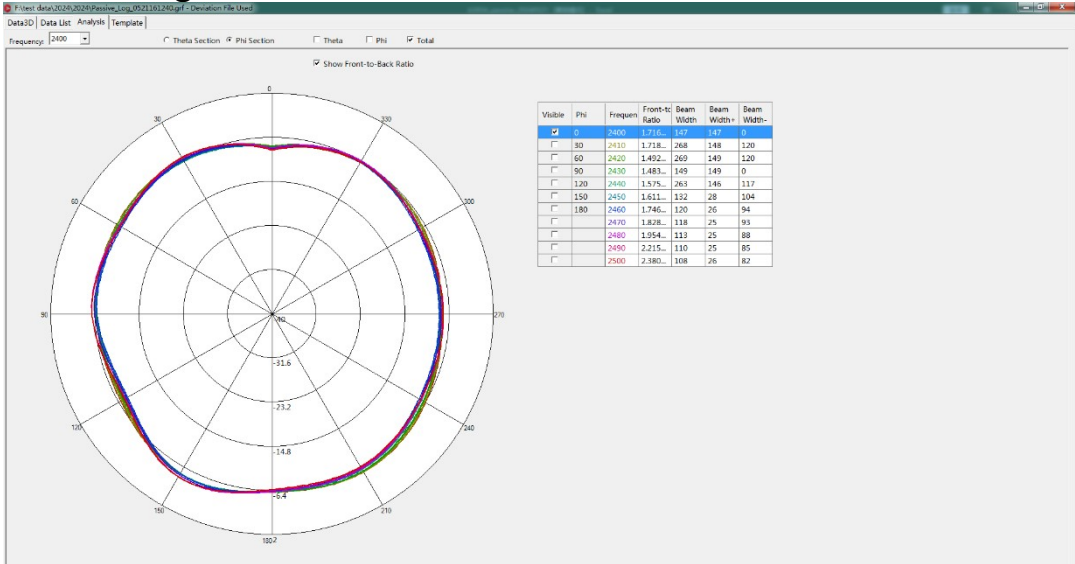


### Antenna radiation 2D pattern(Unit: dBi)

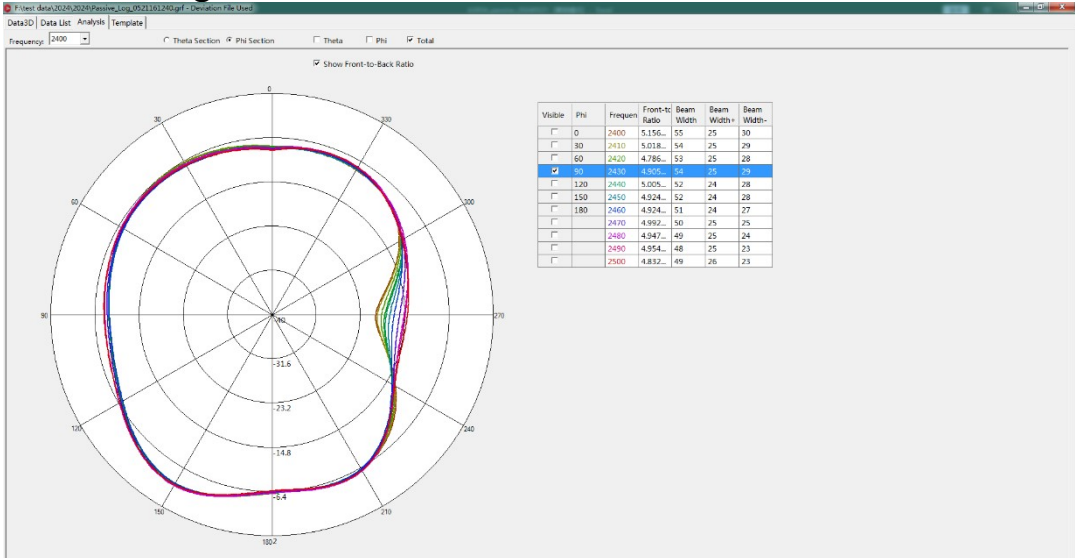
Theta=90.00deg



### Phi=0.00deg



### Phi=90.00deg





II: 3D Active test report of antenna

Free	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	7.3	-93.9
	CH 39	6.6	-92.8
	CH 78	6.0	-90.8

Headform	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	1.1	-87.7
	CH 39	1.4	-87.5
	CH 78	1.7	-86.7

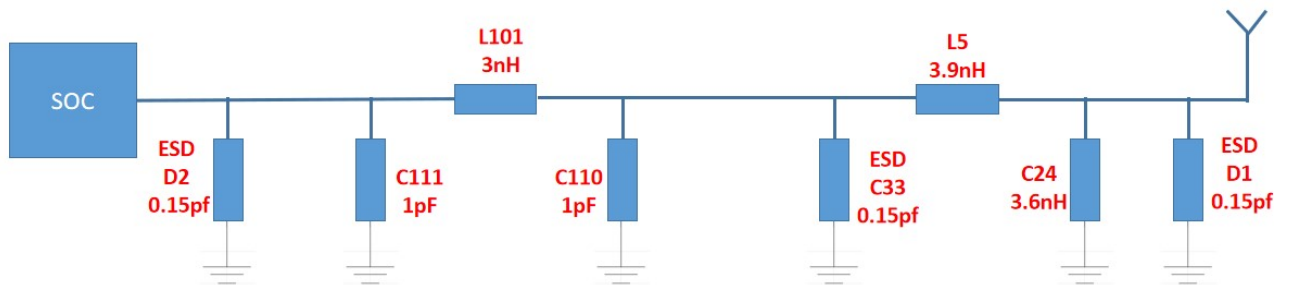
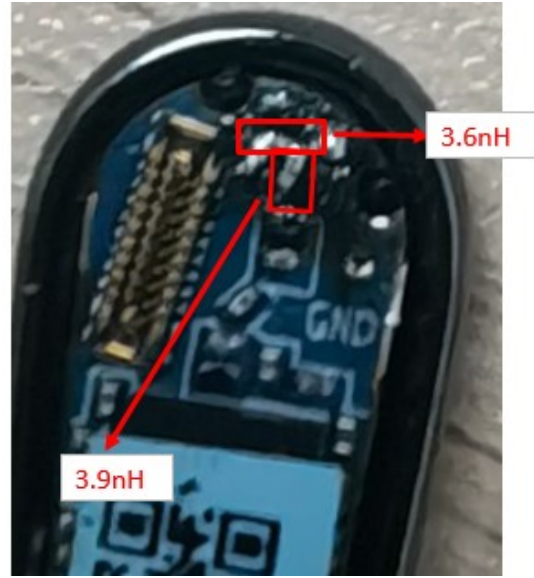


OTA Standard Chamber



III: Matching circuit

Element	Value
C24	3.6nH
L5	3.9nH
C33	ESD





IV: Structure file

