



Type:	FPC Antenna
Model:	L: CC PD30 L2, R:CC PD30 R2
Gain	L:-0.8dBi R:-2.2dBi
Version :	V1.0
Date:	2023.10.23

Address : A505/506, Donglian Building,Chuangye 2nd Road, Dalang Community,Xin 'an Street,
Bao 'an District, Shenzhen

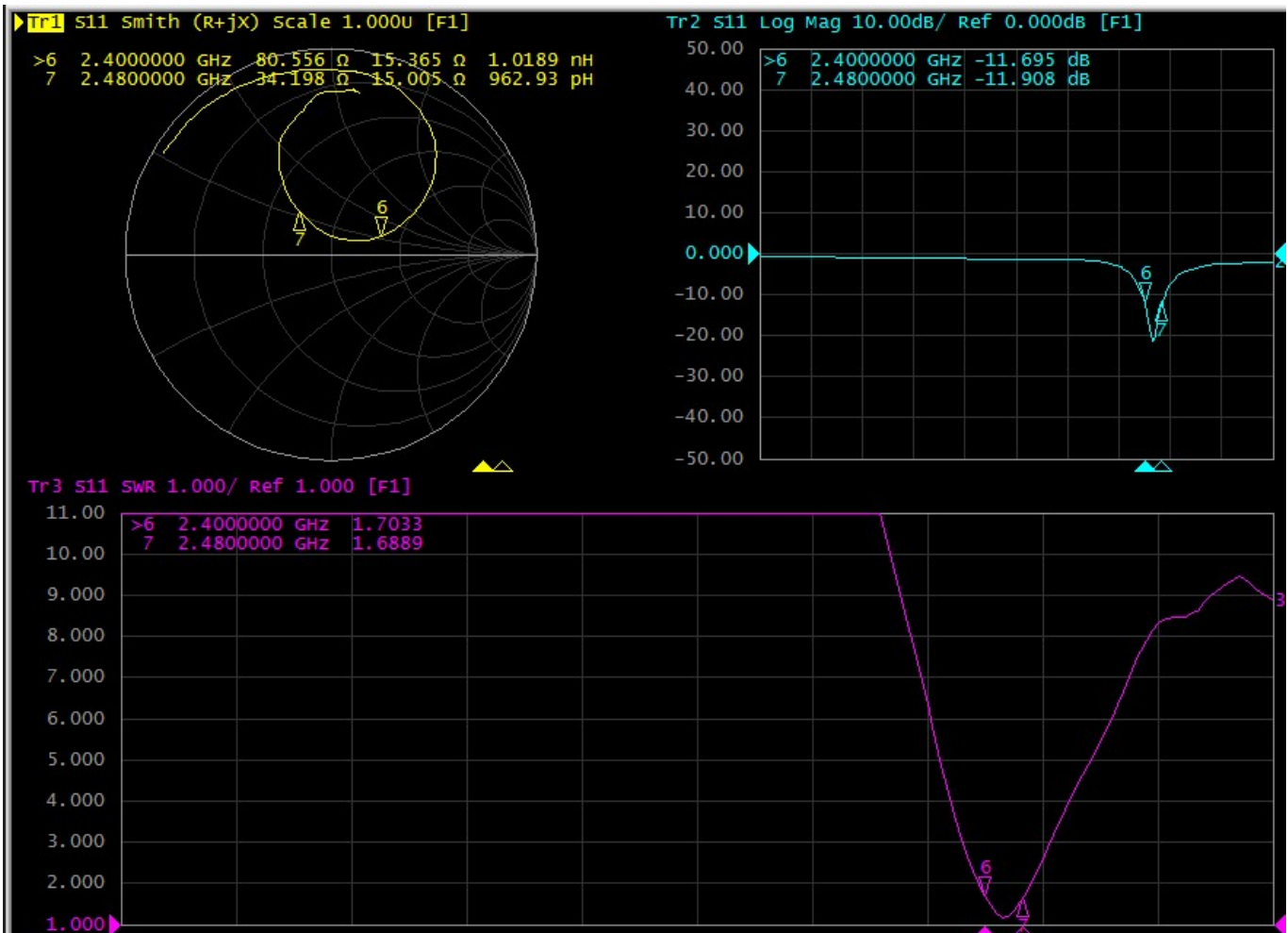


I: Passive test report



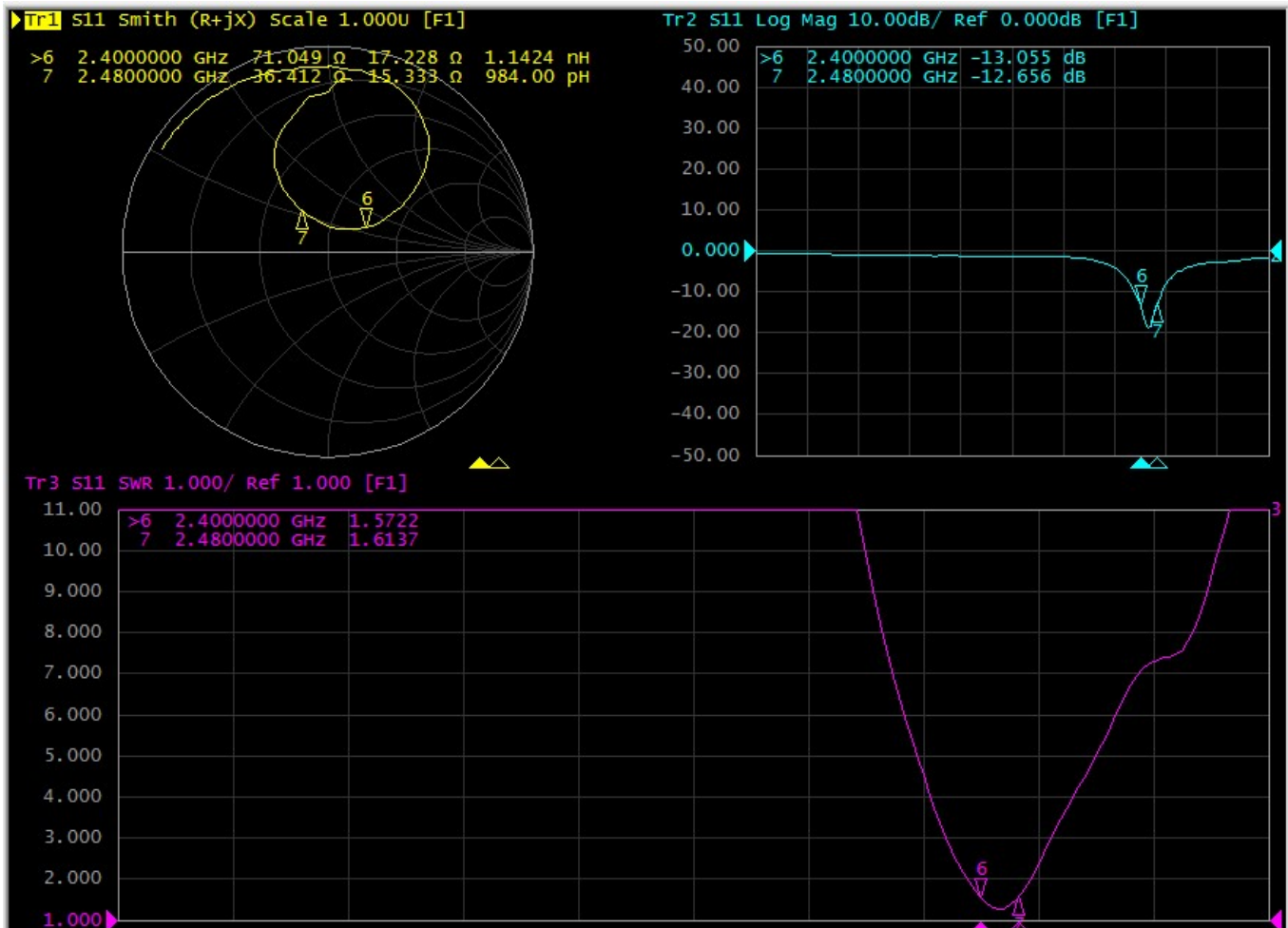
Angilent E5071C

Left Ear BT Antenna S11 Parameters





Right Ear BT Antenna S11 Parameters





Left ear BT antenna efficiency and gain:

Freq. MHz	Gain (dBi)	efficiency (dB)	efficiency%
2400	-0.8	-5.2	30.3
2410	-0.8	-5.2	30.4
2420	-1.0	-5.3	29.4
2430	-0.9	-5.2	30.2
2440	-1.1	-5.3	29.4
2450	-0.8	-5.0	31.3
2460	-0.8	-4.9	32.3
2470	-1.1	-5.2	30.4
2480	-1.2	-5.3	29.5
AVG	-1.0	-5.2	30.4

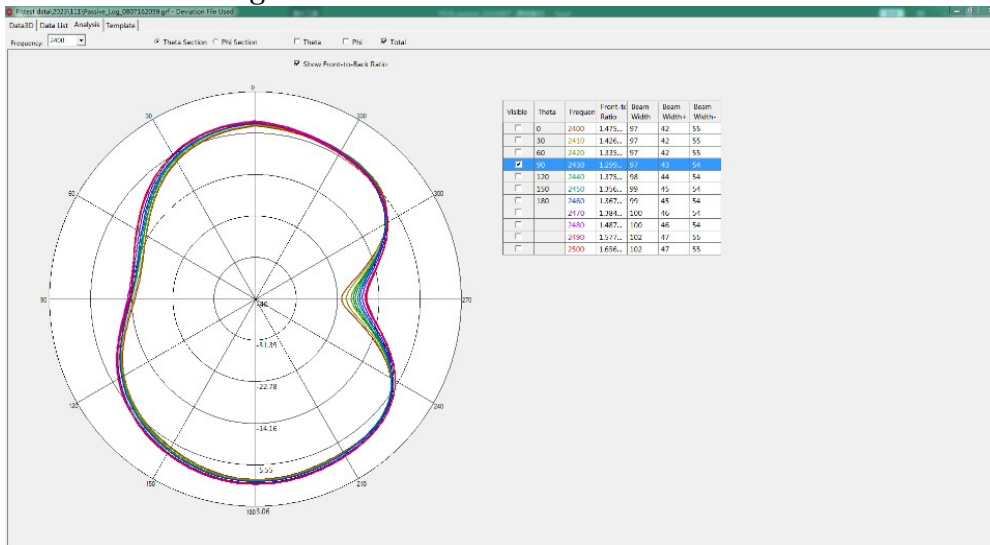
Right ear BT antenna efficiency and gain:

Freq. MHz	Gain (dBi)	efficiency (dB)	efficiency%
2400	-2.3	-5.3	29.4
2410	-2.4	-5.4	29.1
2420	-2.6	-5.5	28.5
2430	-2.5	-5.3	29.6
2440	-2.6	-5.3	29.4
2450	-2.3	-5.0	31.5
2460	-2.2	-4.8	33.1
2470	-2.3	-4.9	32.0
2480	-2.3	-5.0	31.6
AVG	-2.4	-5.2	30.5

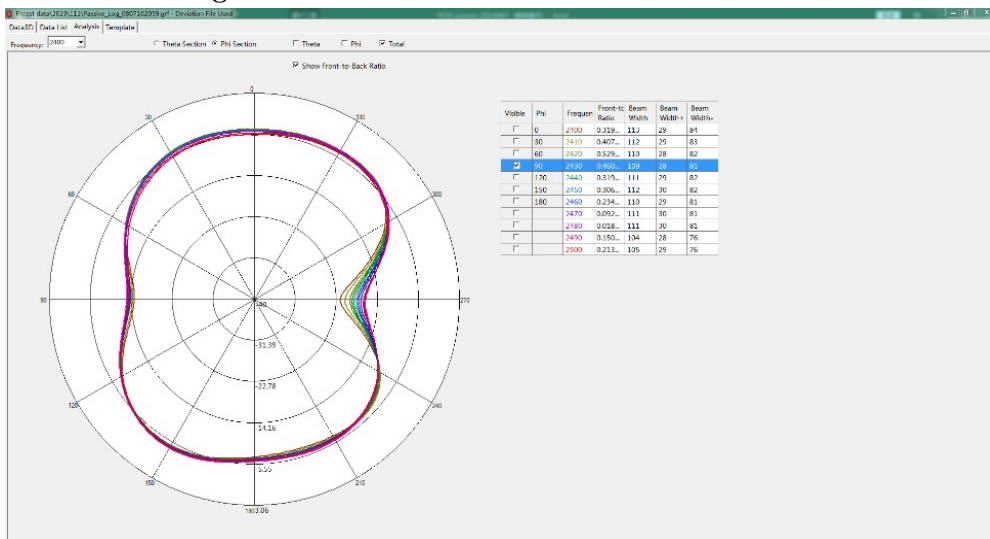


Passive orientation diagram of the left ear BT antenna:

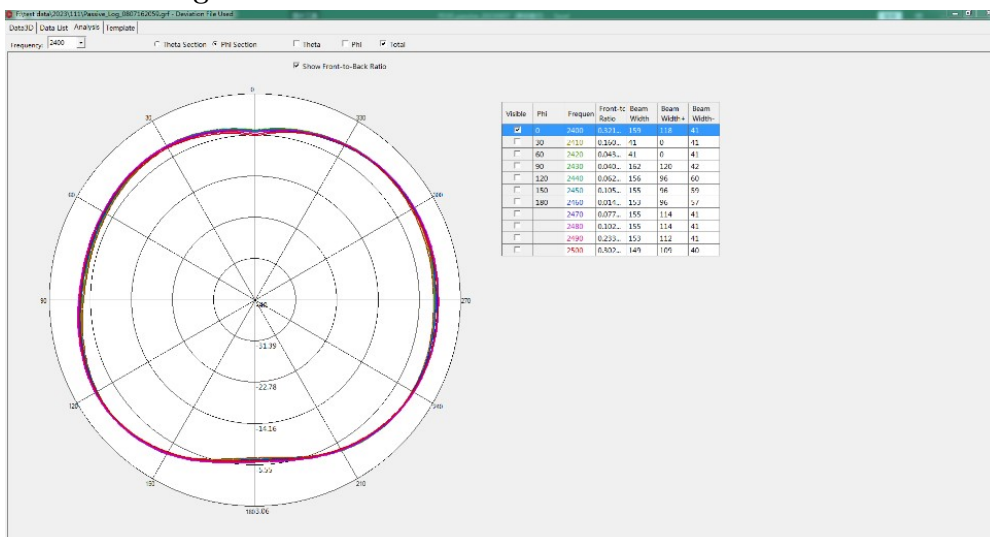
Theta=90.00deg



Phi=90.00deg



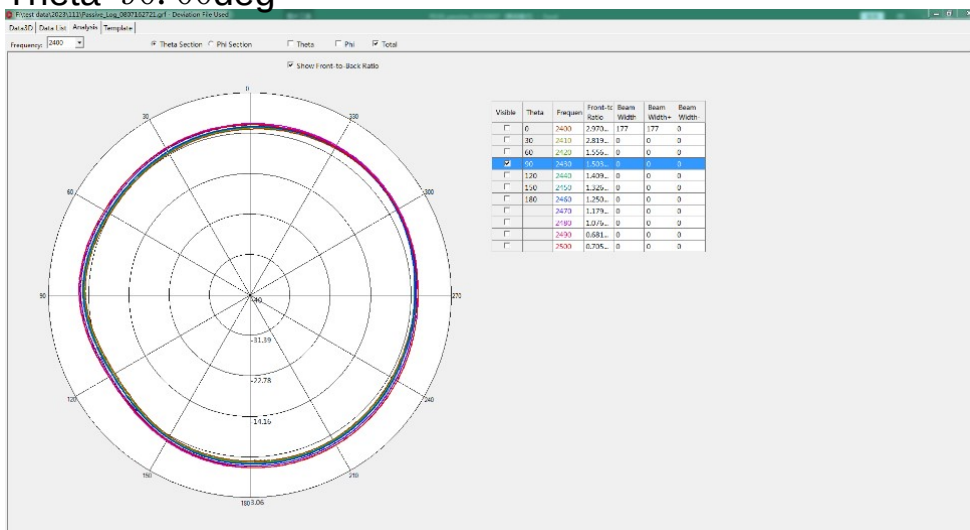
Phi=0.00deg



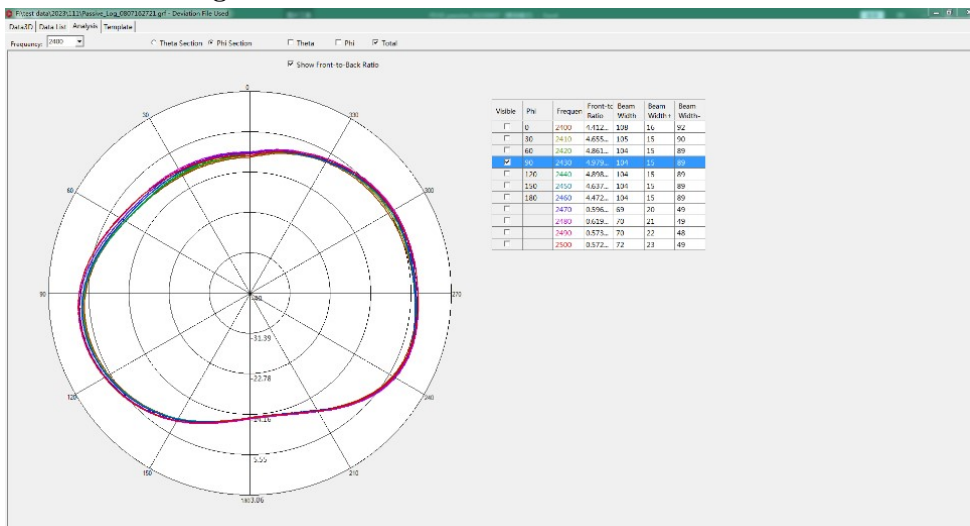


Passive orientation diagram of the right ear BT antenna:

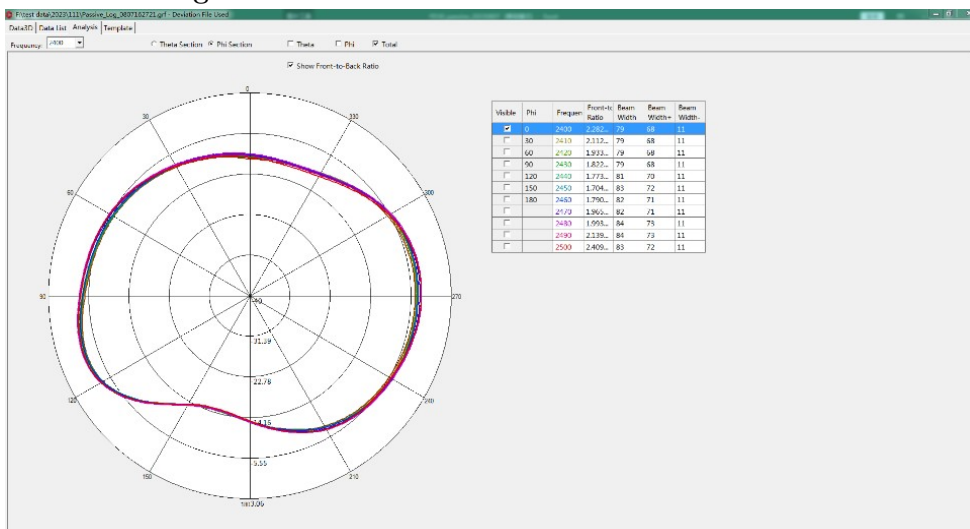
Theta=90.00deg



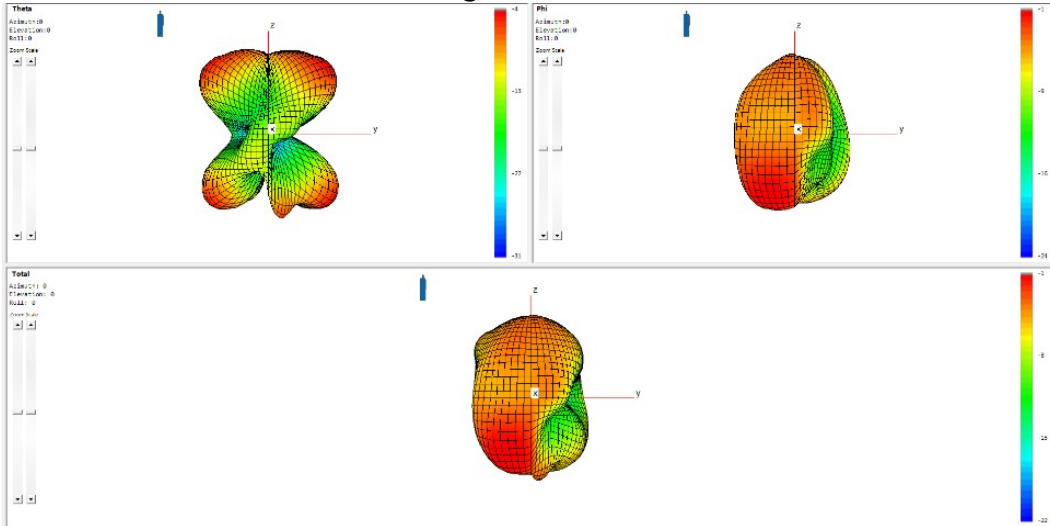
Phi=90.00deg



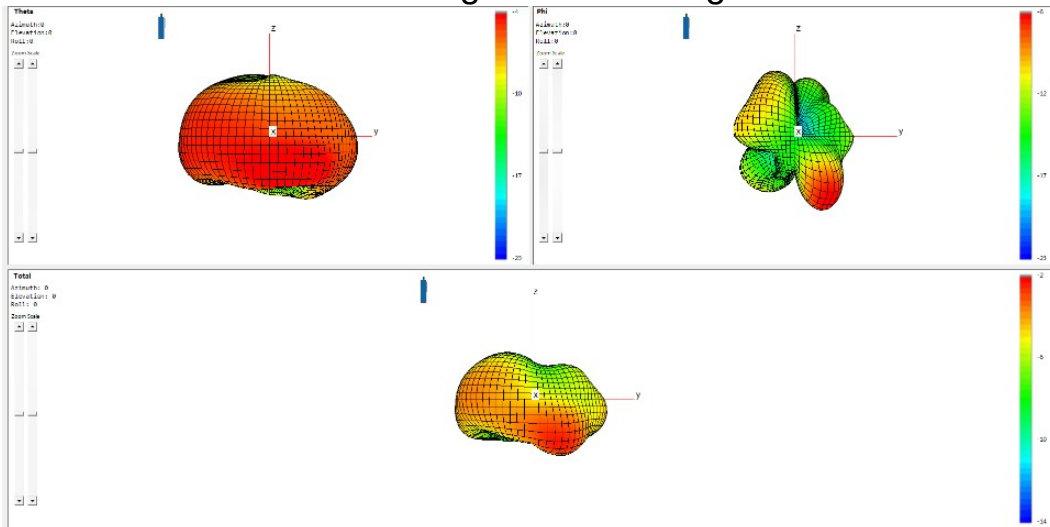
Phi=0.00deg



Passive 3D orientation diagram of the left ear BT antenna:



Passive 3D orientation diagram of the right ear BT antenna:





II: BT Antenna 3D Darkroom Data

		Freedom		moulded head	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
L	CH 0	6.1	-89.8	0.9	-85.1
	CH 39	6.2	-90.5	0.9	-85.2
	CH 78	5.7	-90.2	0.5	-85.6

		Freedom		moulded head	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	6.3	-89.7	1.1	-85.3
	CH 39	6.2	-90.5	1.0	-85.3
	CH 78	5.8	-90.3	0.9	-85.5



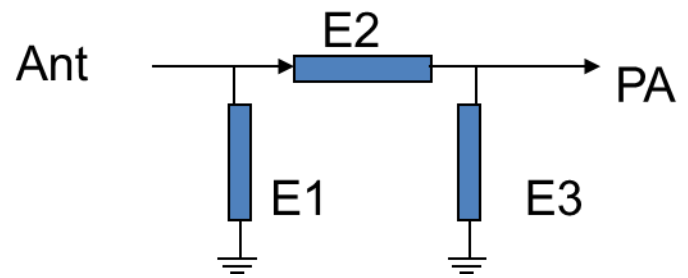
OTA Standard Chamber



III: Matching Circuit

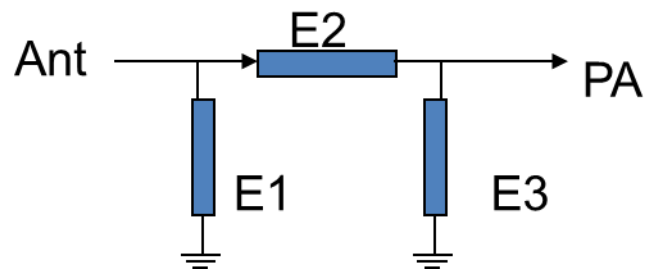
Left ear matching circuit:

Element	Value
E1	N/A
E2	0Ω
E3	N/A



Right ear matching circuit:

Element	Value
E1	N/A
E2	0Ω
E3	N/A



IV: Structural files

