

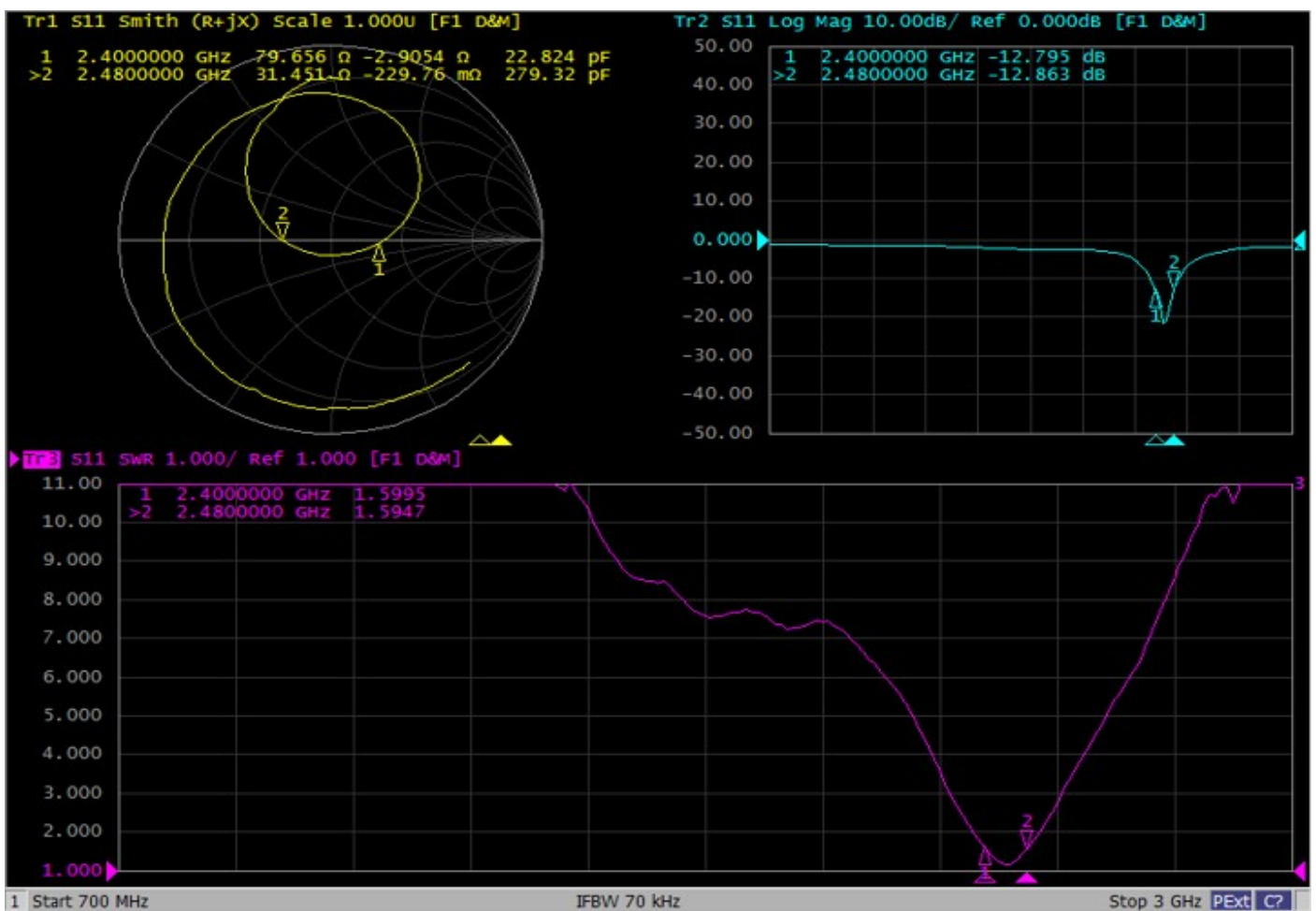


I: The report of passive data



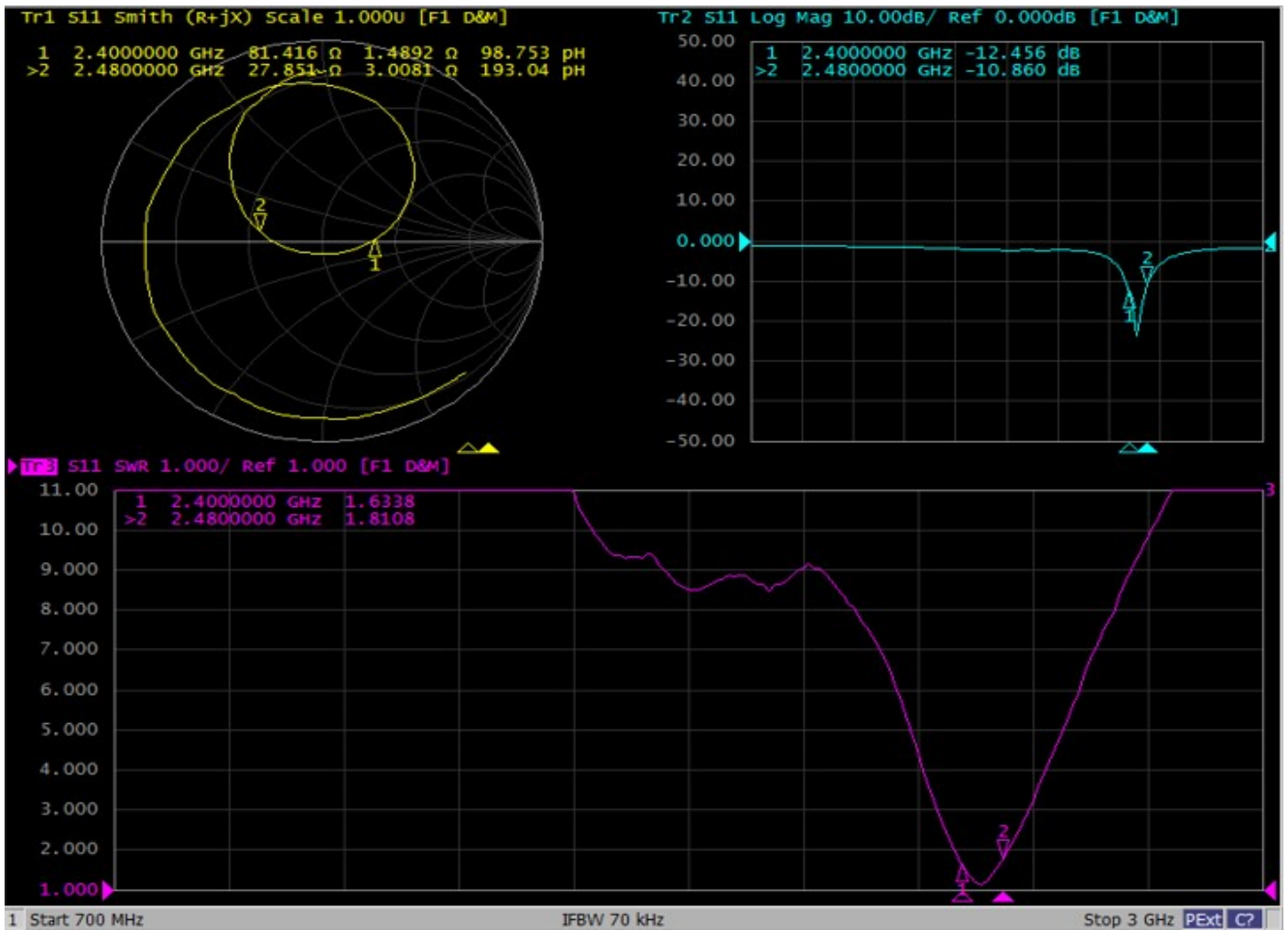
Agilent E5071C

Left ear BT antenna S11 parameters





Right ear BT antenna S11 parameters





Efficiency and gain of left ear BT antenna:

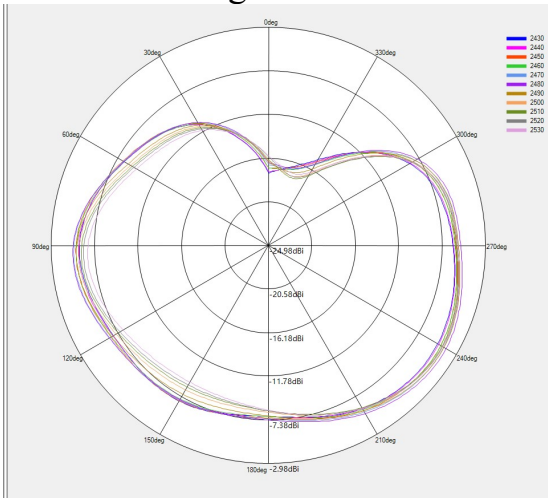
FS			
Frequency (MHz)	Gain (dBi)	Efficiency (dB )	Efficiency (%)
2400	-4.6	-7.8	16.6
2410	-4.2	-7.7	17.1
2420	-3.8	-7.4	18.2
2430	-3.6	-7.4	18.2
2440	-3.2	-7.1	19.6
2450	-3.0	-6.9	20.3
2460	-3.2	-7.2	19.0
2470	-3.4	-7.4	18.3
2480	-3.6	-7.5	17.8
AVG	-3.61	-7.38	18.33

Efficiency and gain of Right ear BT antenna:

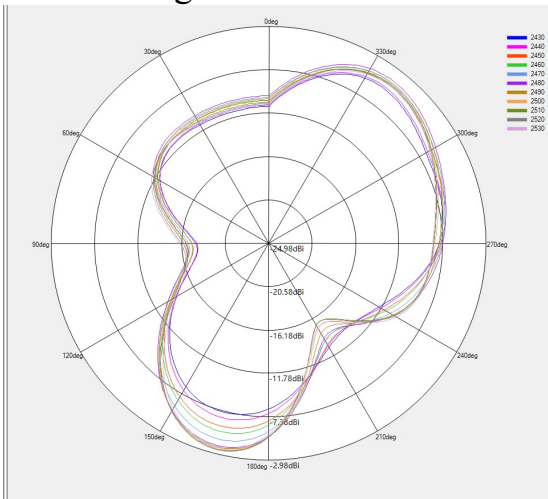
FS			
Frequency (MHz)	Gain (dBi)	Efficiency (dB )	Efficiency (%)
2400	-4.6	-7.9	16.3
2410	-4.0	-7.8	16.5
2420	-3.8	-7.5	17.7
2430	-3.7	-7.5	17.6
2440	-3.4	-7.2	19.0
2450	-3.3	-7.0	19.8
2460	-3.7	-7.3	18.8
2470	-3.9	-7.4	18.2
2480	-4.3	-7.5	17.8
AVG	-3.86	-7.46	17.96



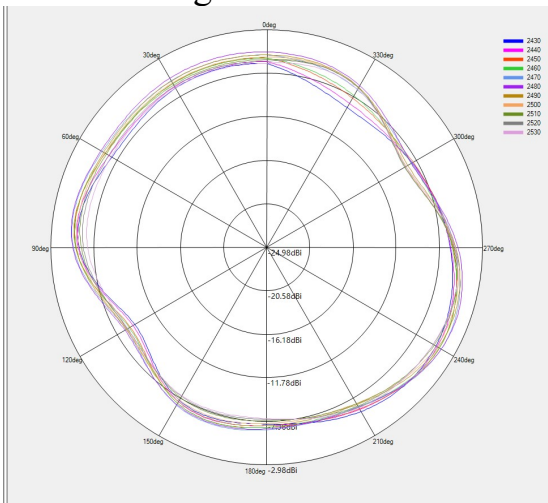
Passive 2D directional pattern of left ear BT antenna:  
Theta=90.00deg



Phi=0.00deg

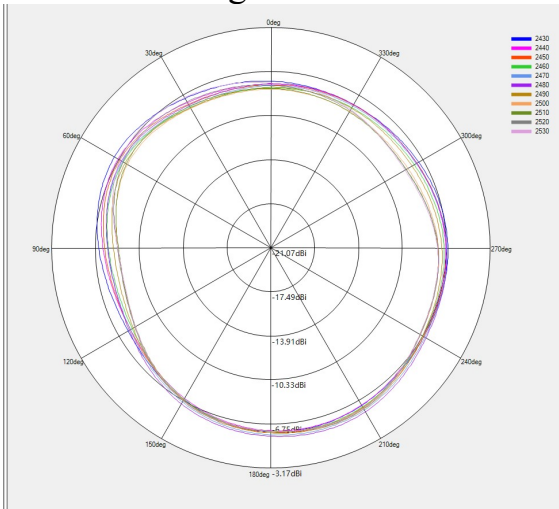


Phi=90.00deg

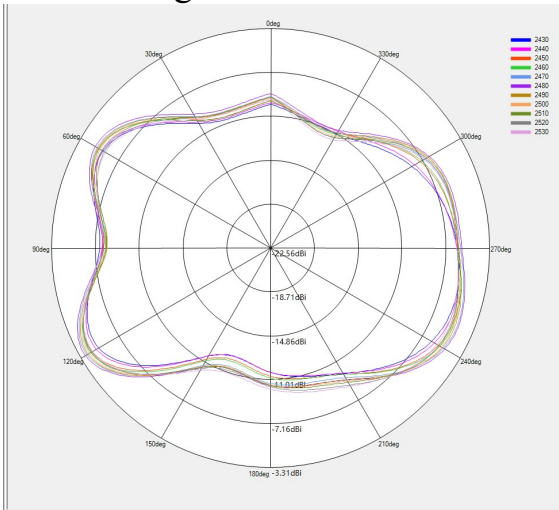




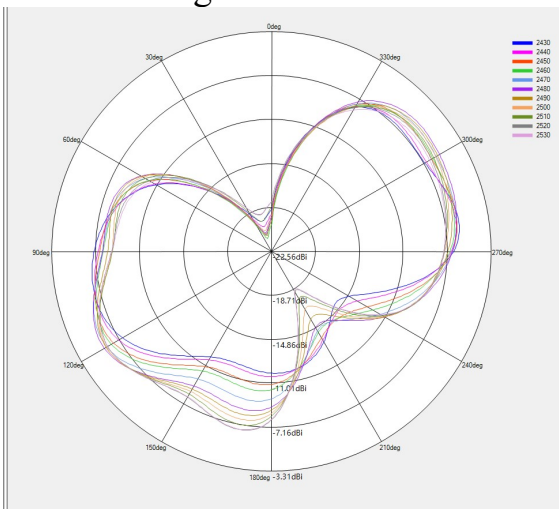
Passive 2D directional pattern of right ear BT antenna:  
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg





II: Antenna 3D darkroom data

	Channel	TRP	TIS
L	0	3.0	-86.5
	39	4.5	-88.7
	78	5.6	-90.8

	Channel	TRP	TIS
R	0	3.6	-86.6
	39	4.6	-88.5
	78	5.4	-89.5



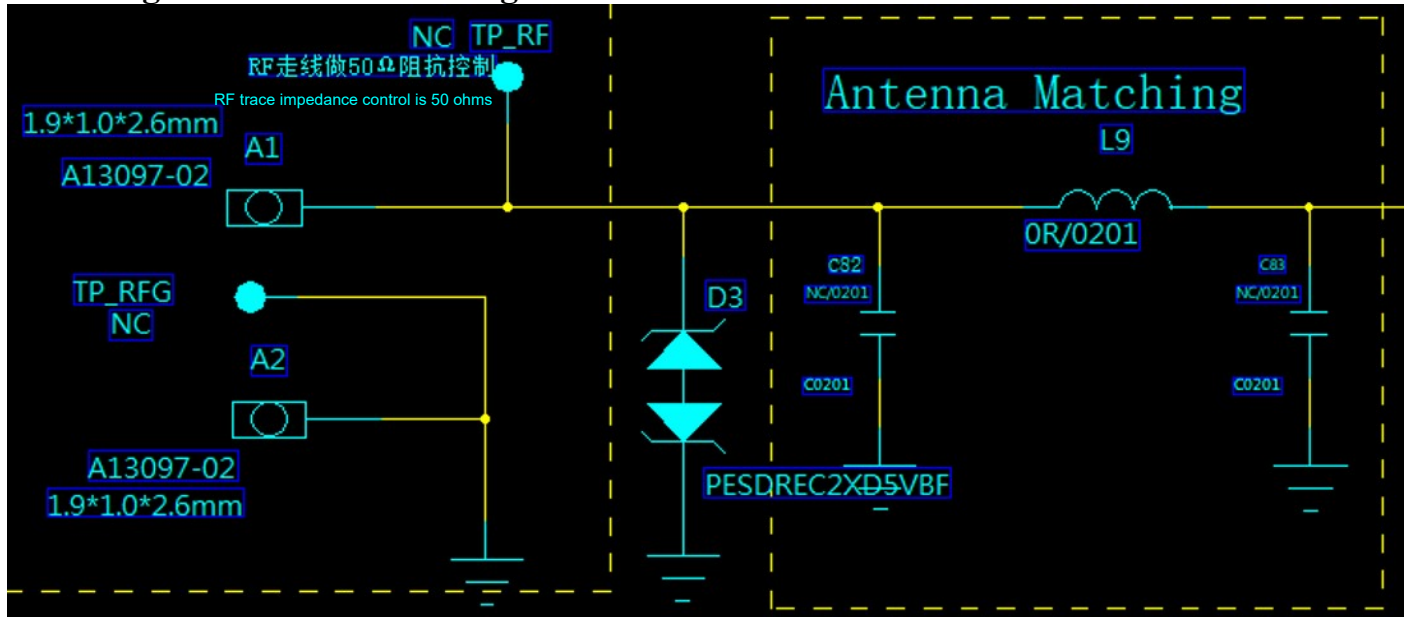
OTA Standard Chamber





III: Matching circuit

Matching circuit schematic diagram:



Left ear matching circuit:

Element	Value
D3	ESD
C82	N/A
L9	3.9nH
C83	N/A

Right ear matching circuit:

Element	Value
D3	ESD
C82	N/A
L9	3.9nH
C83	N/A



IV: Structure file:

