

Antenna Type: FPC Antenna

Antenna Size: 19.31mm(L)*7.56mm(W)

Antenna Manufacture: Shenzhen Si Xun
Communication Technology Co. LTD

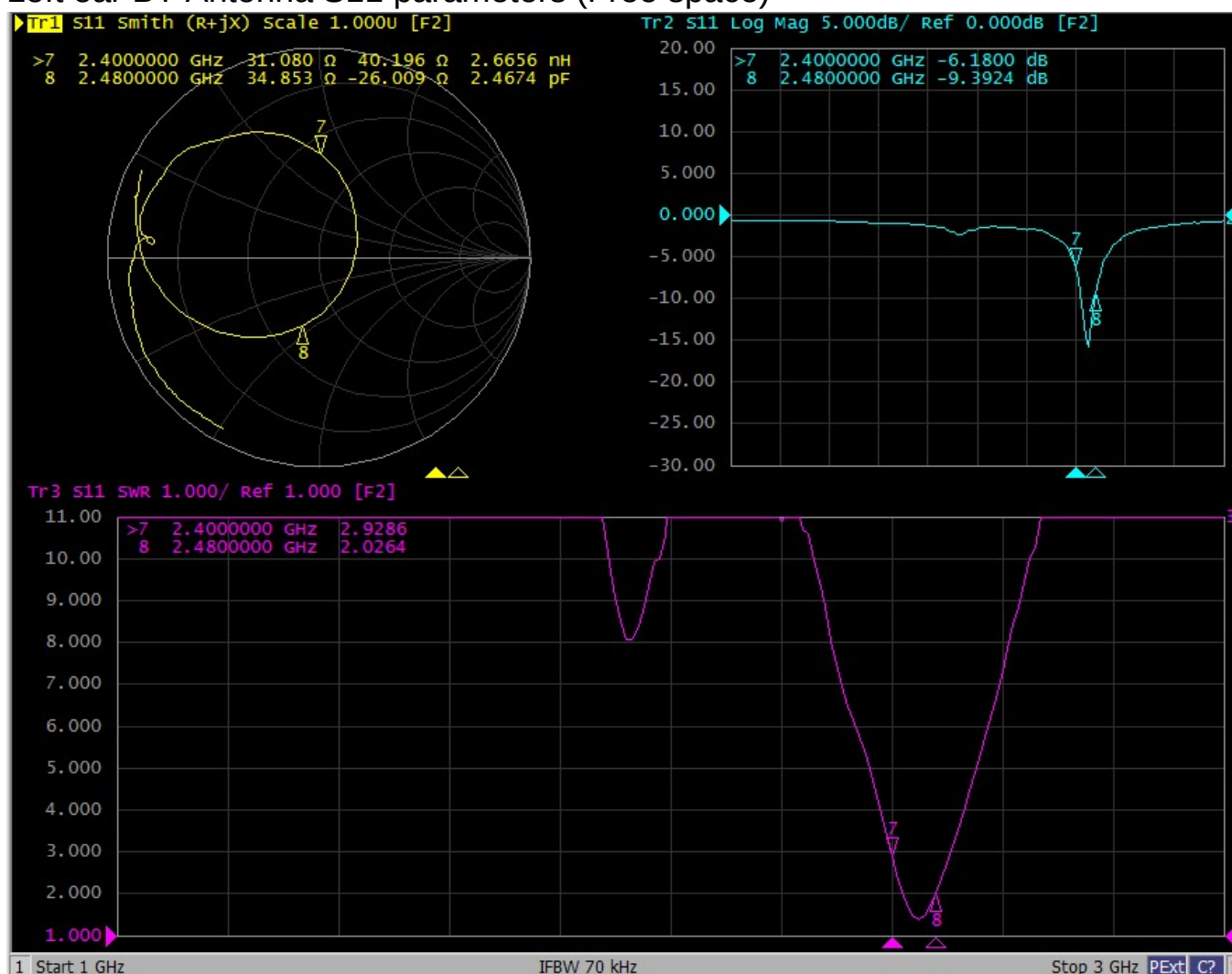
Model Number: CC-T3508-L4

1: passive test report

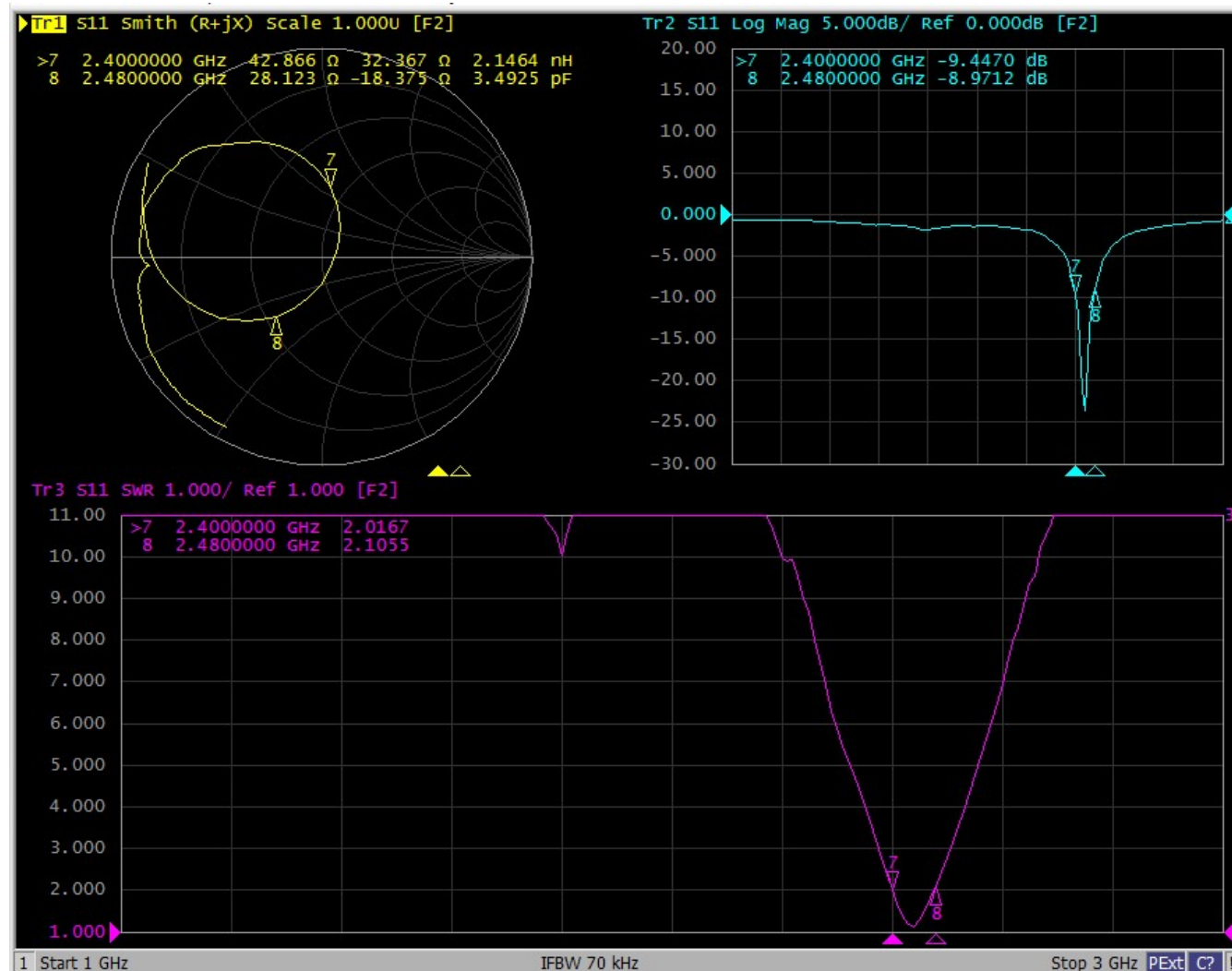


Angilent E5071C

Left ear BT Antenna S11 parameters (Free space)



Left ear BT Antenna S11 parameters (human head ear)

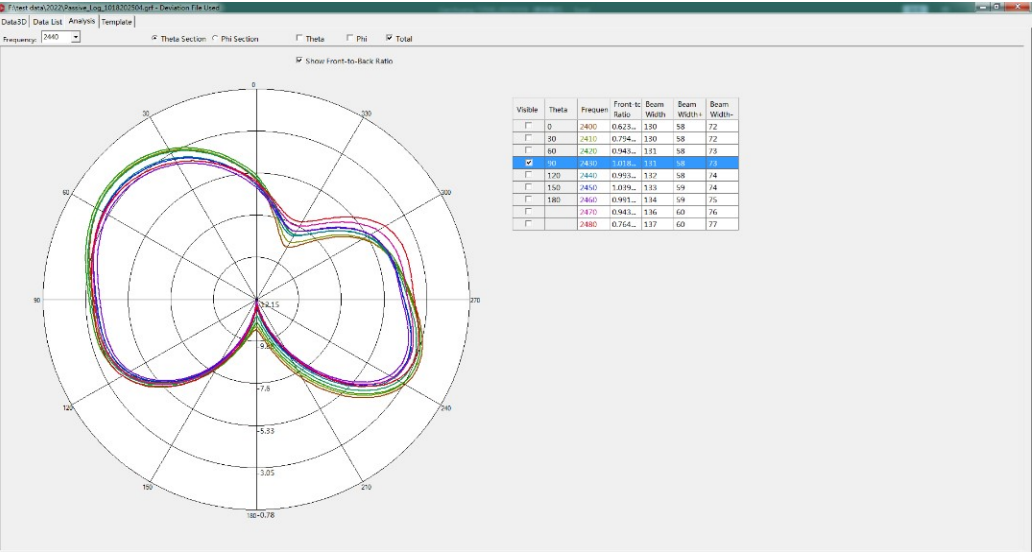


Left ear BT antenna efficiency and gain:

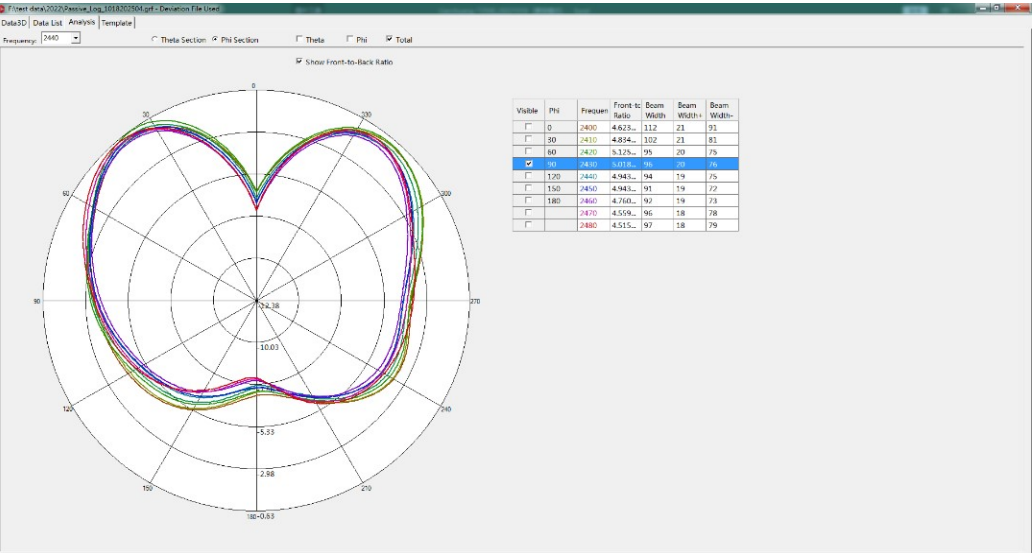
2400-2480MHz Free			
frequency MHz	Gain(dBi)	efficiency(dB)	efficiency%
2400	-1.22	-4.38	36.47
2410	-1.07	-4.36	36.60
2420	-0.83	-4.36	36.67
2430	-1.06	-4.55	35.04
2440	-1.30	-4.78	33.26
2450	-1.20	-4.77	33.35
2460	-1.44	-4.98	31.77
2470	-1.32	-4.76	33.44
2480	-1.23	-4.64	34.34
AVG.	-1.18	-4.62	34.55

2400-2480MHz human head ear			
frequency MHz	Gain(dBi)	efficiency(dB)	efficiency%
2400	-5.45	-10.73	8.46
2410	-5.49	-10.95	8.04
2420	-5.61	-11.11	7.74
2430	-6.08	-11.45	7.17
2440	-6.55	-11.78	6.64
2450	-6.81	-11.91	6.45
2460	-7.35	-12.20	6.02
2470	-7.63	-12.07	6.21
2480	-7.97	-12.10	6.17
AVG.	-6.55	-11.59	6.99

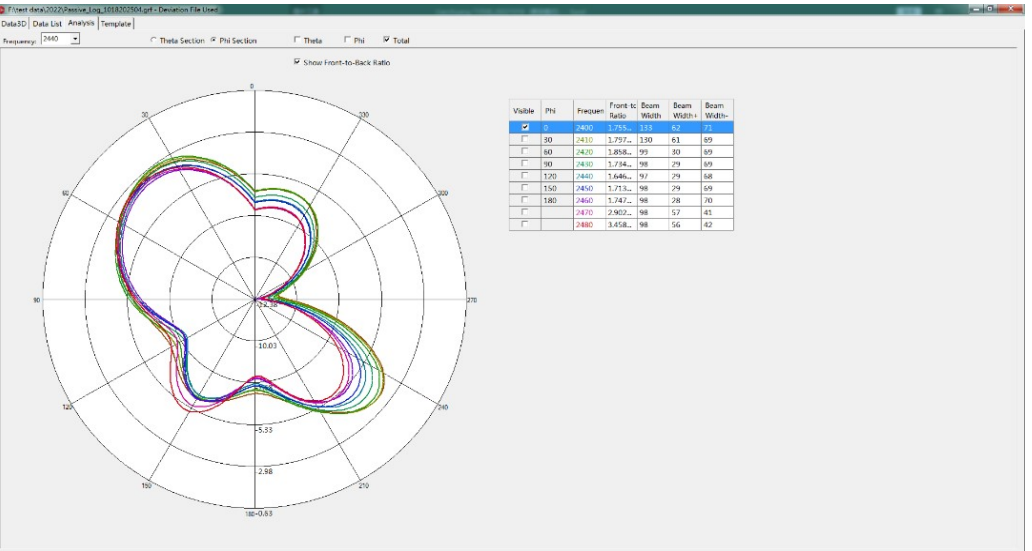
Passive 2D directional diagram of left ear antenna (free space) :
 Theta=90.00deg



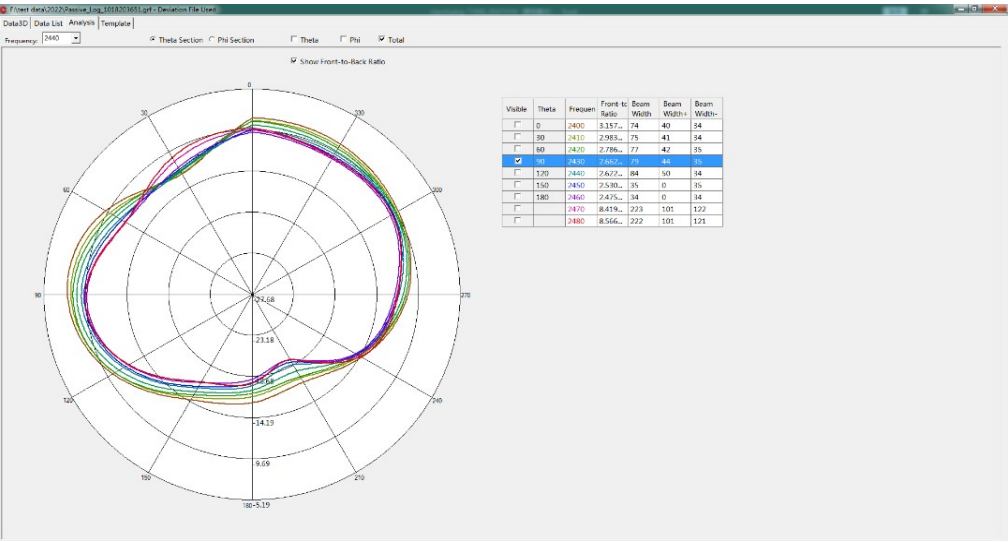
Phi=90.00deg



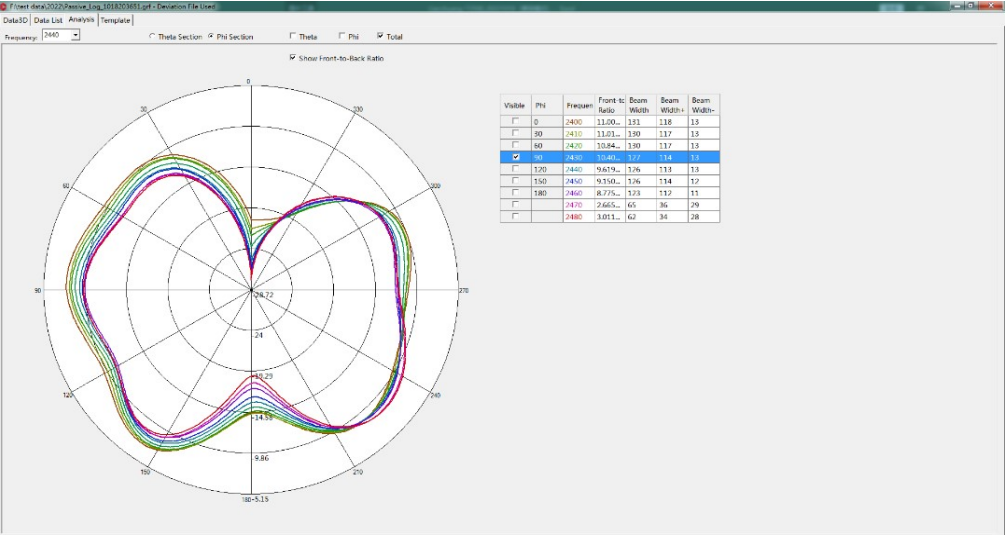
Phi=0.00deg



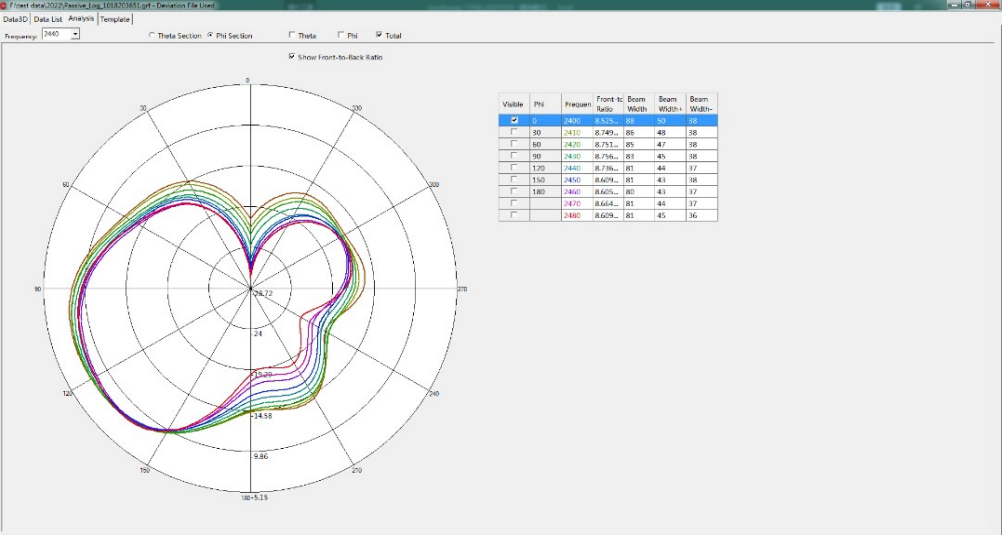
Passive 2D directional diagram of left ear antenna (human ear) :Theta=90.00deg



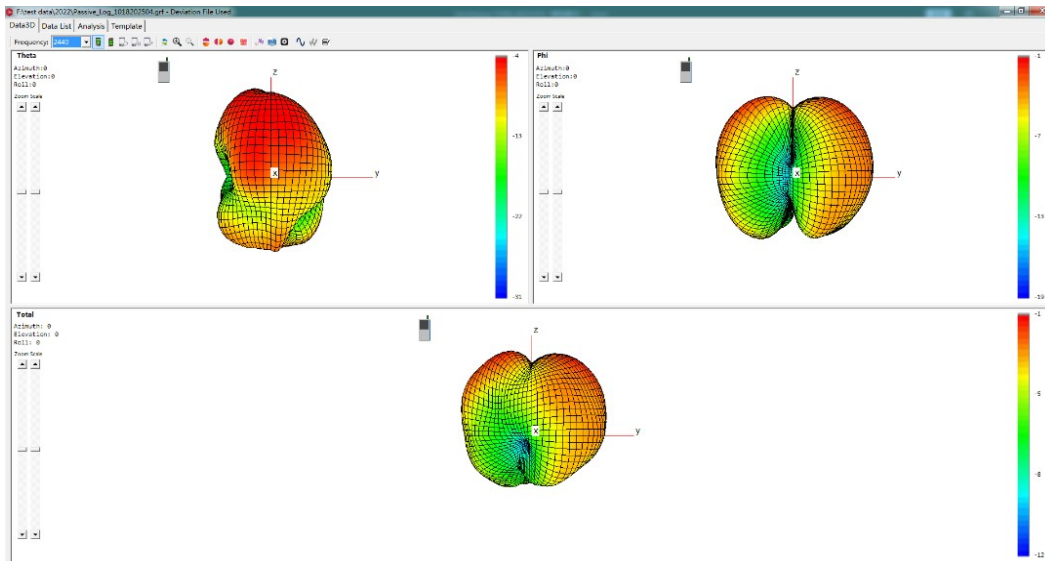
Phi=90.00deg



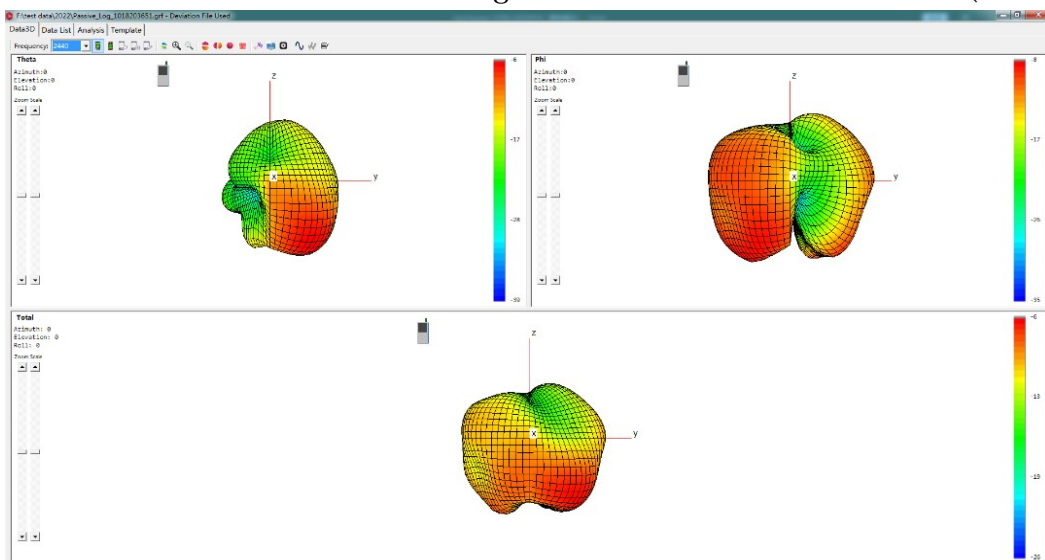
Phi=0.00deg



Passive 3D directional diagram of left ear antenna (free space) :



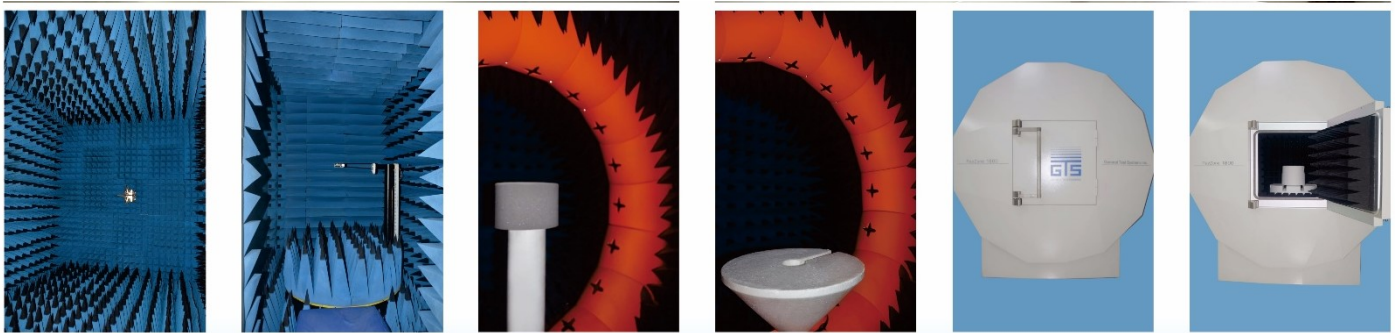
Passive 3D directional diagram of left ear antenna (human head ear) :



2:OTA parameters

Free Space	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	0.5	-88.3
	CH 39	1.3	-90.6
	CH 78	-1.2	-90.8

human head ear	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	-2.1	-85.0
	CH 39	-4.4	-84.5
	CH 78	-5.4	-85.3



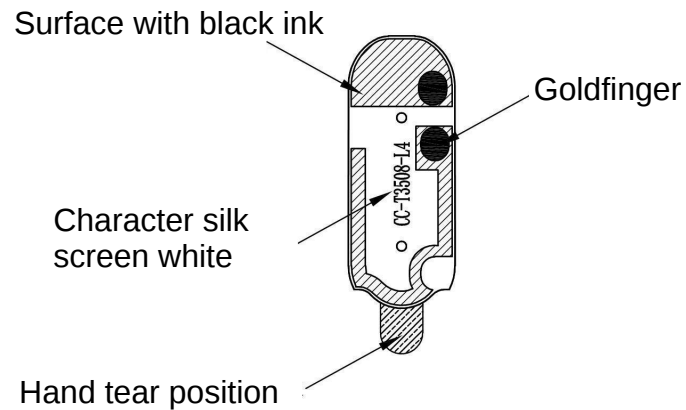
OTA Standard Chamber

A

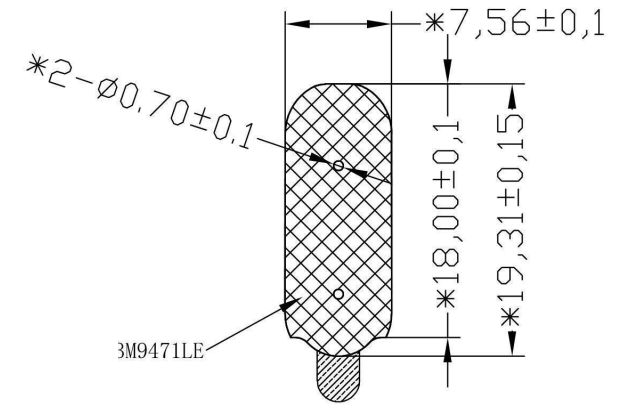
B

C

D



-  Routing area
-  Pad area (gold plated)
-  Adhesive area (3M300LSE (3M9471LE))



B

C

D