

Antenna Type: FPC Antenna

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

Antenna Manufacture: Shenzhen Si Xun
Communication Technology Co. LTD

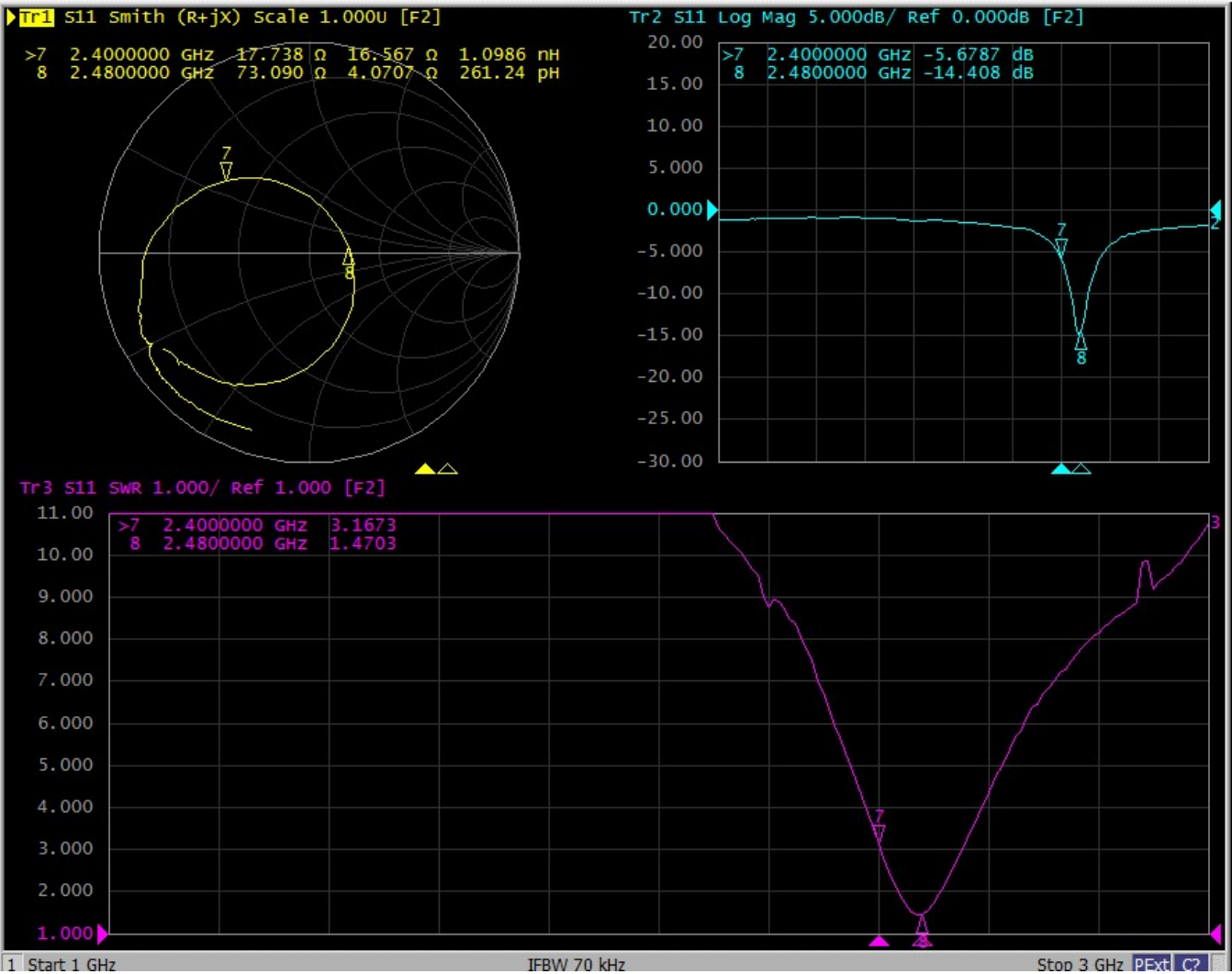
Model Number: CC-T3508-R4

1: passive test report

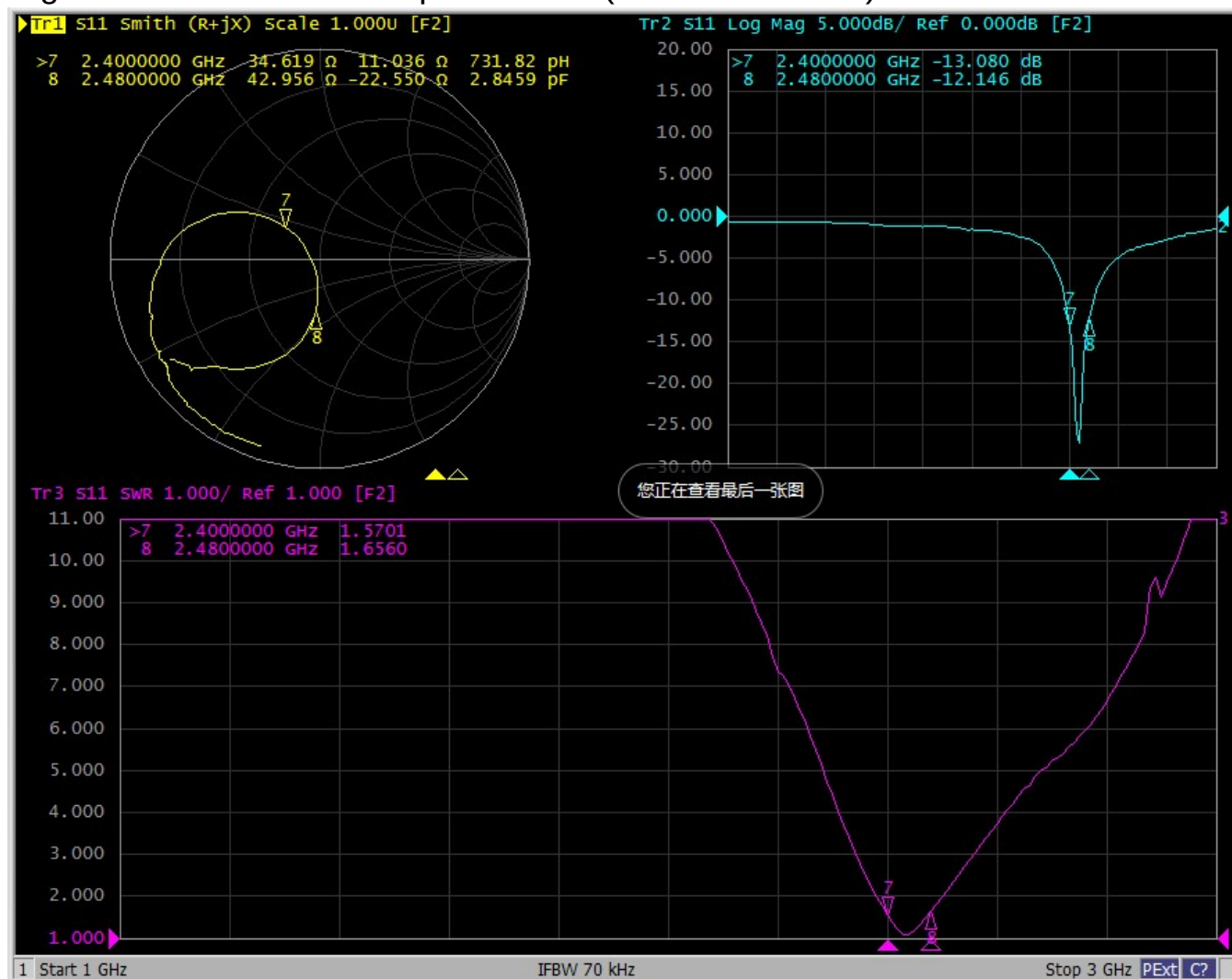


Angilent E5071C

Right ear BT Antenna S11 parameters (Free space)



Right ear BT Antenna S11 parameters (human head ear)

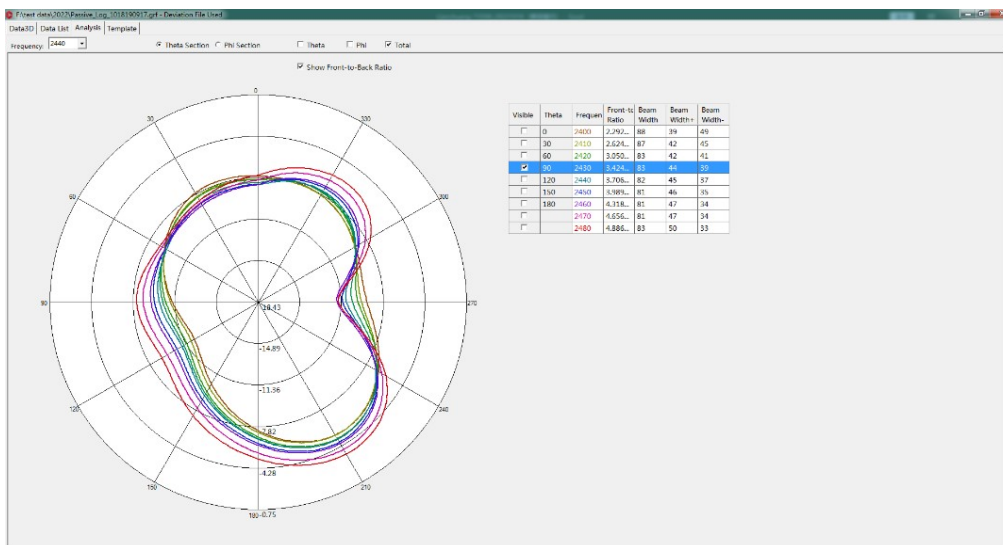


Right ear BT antenna efficiency and gain:

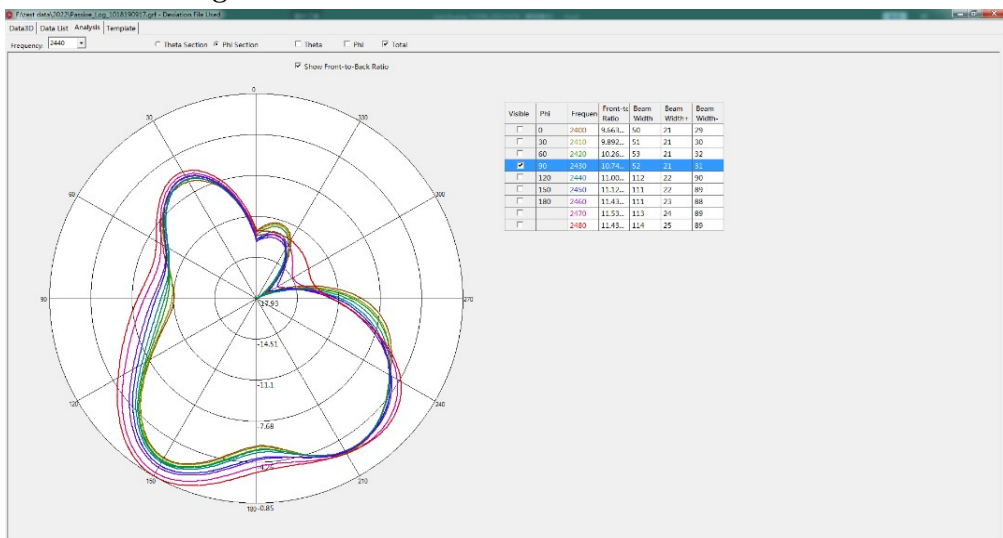
2400-2480MHz Free			
frequency MHz	Gain(dBi)	efficiency(dB)	efficiency%
2400	-2.44	-5.12	30.74
2410	-2.35	-5.13	30.71
2420	-2.20	-5.06	31.17
2430	-2.13	-5.09	31.00
2440	-2.05	-5.08	31.04
2450	-1.84	-4.93	32.17
2460	-1.67	-4.87	32.56
2470	-1.15	-4.53	35.20
2480	-0.85	-4.29	37.20
AVG.	-1.85	-4.90	32.42

2400-2480MHz human head ear			
frequency MHz	Gain(dBi)	efficiency(dB)	efficiency%
2400	-6.05	-10.71	8.50
2410	-5.92	-10.61	8.68
2420	-5.73	-10.55	8.82
2430	-5.81	-10.60	8.71
2440	-6.12	-10.72	8.48
2450	-6.35	-10.73	8.46
2460	-6.46	-10.84	8.25
2470	-6.36	-10.78	8.35
2480	-6.29	-10.75	8.42
AVG.	-6.12	-10.70	8.52

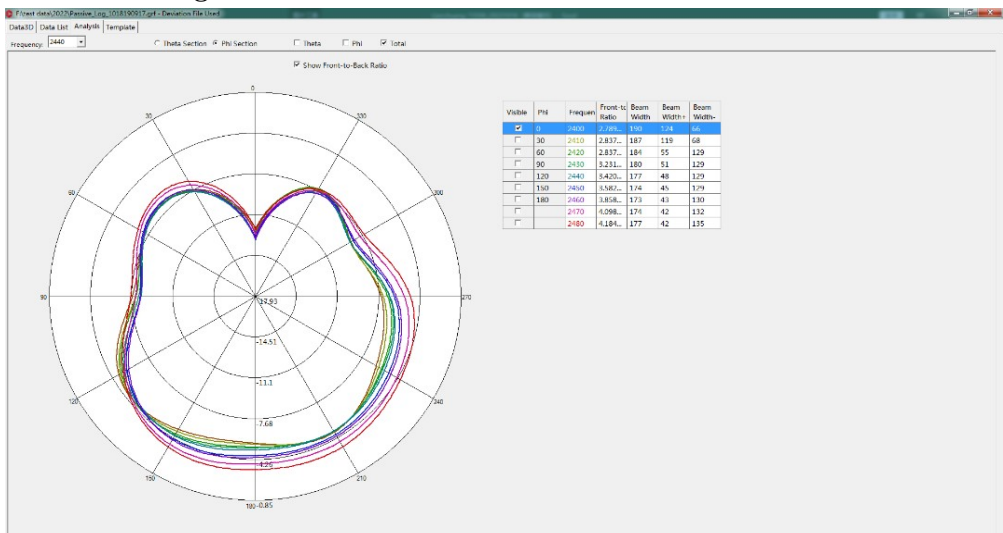
Passive 2D directional diagram of right ear antenna (free space) : Theta=90.00deg



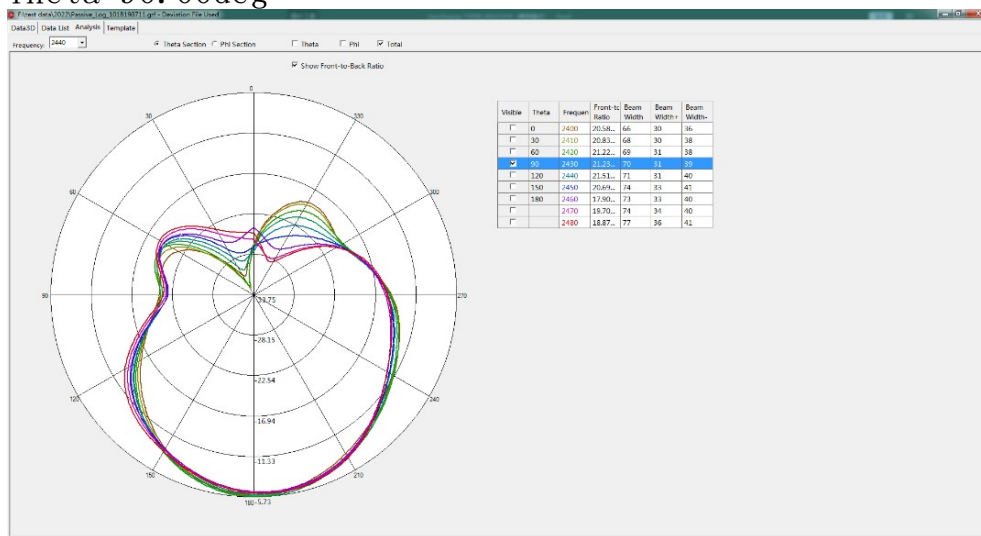
Phi=90.00deg



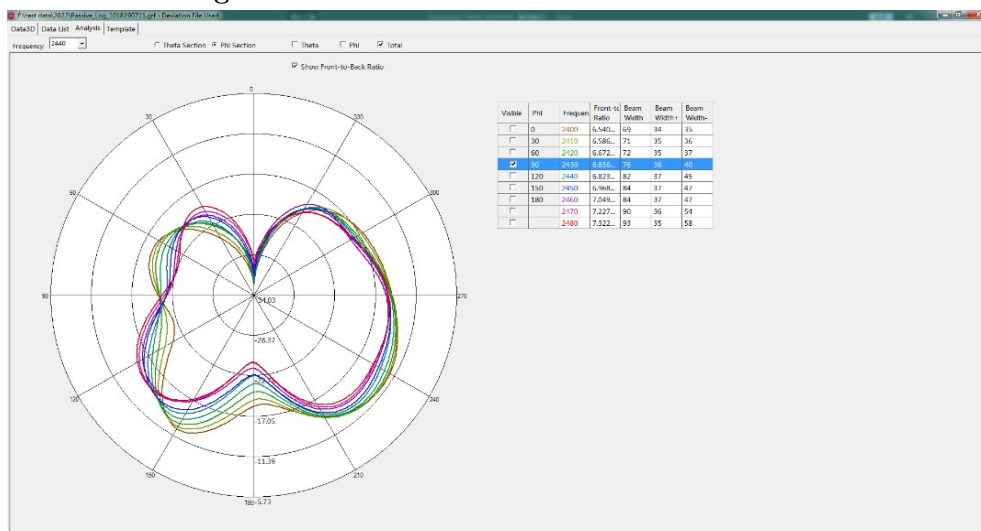
Phi=0.00deg



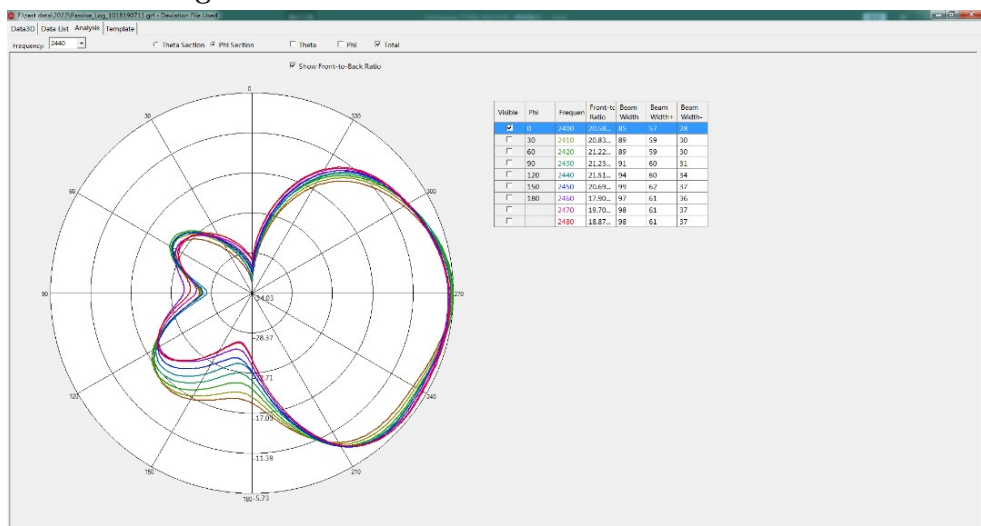
Passive 2D directional diagram of right ear antenna (human ear) : Theta=90.00deg



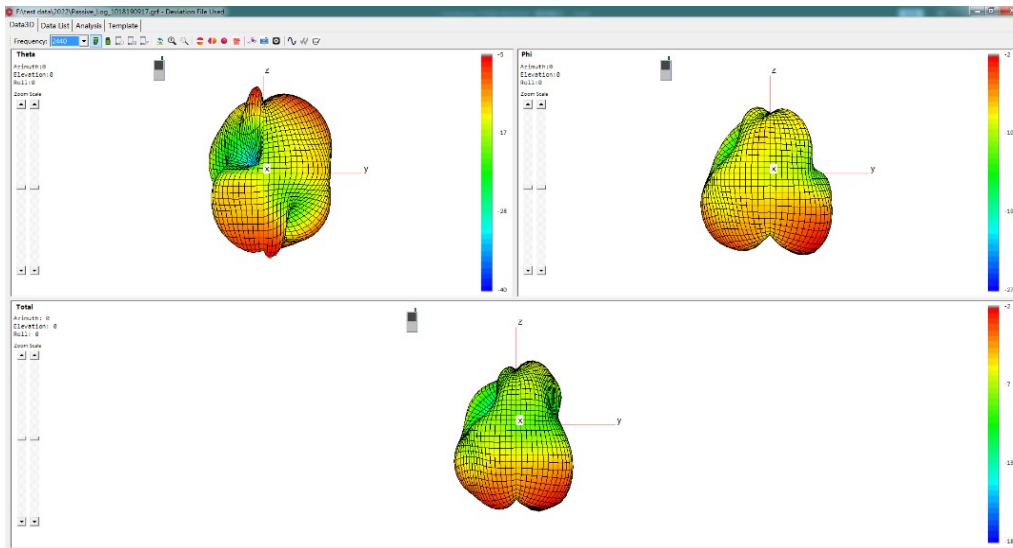
Phi=90.00deg



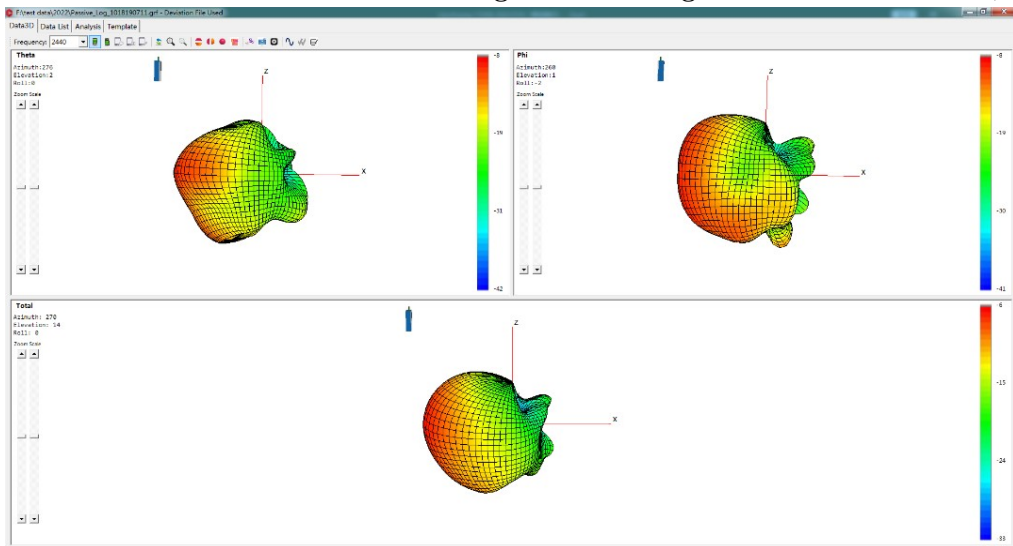
Phi=0.00deg



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



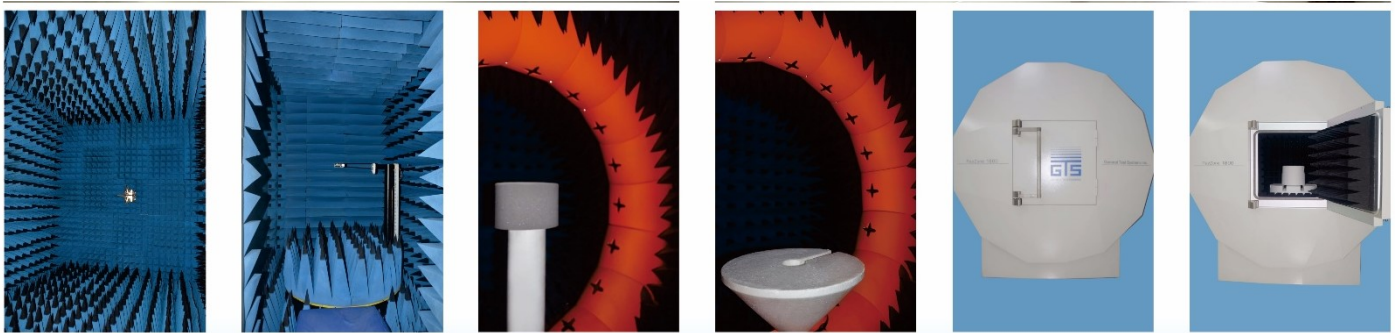
Passive 3D directional diagram of right ear antenna (human head ear) :



2: OTA parameters

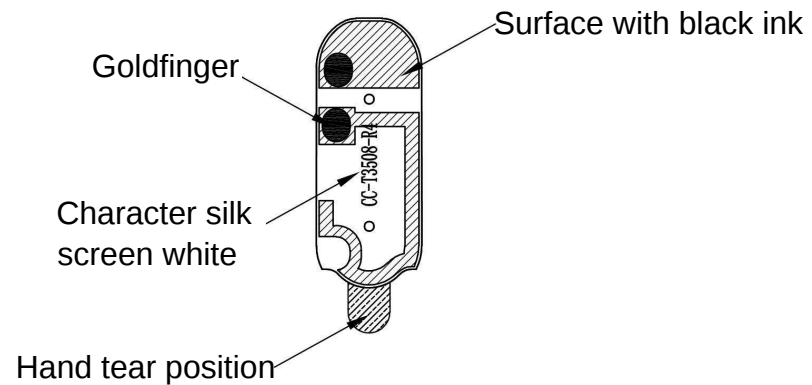
Free Space	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	0.5	-87.8
	CH 39	4.4	-90.2
	CH 78	4.0	-90.6

human head ear	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	-3.1	-84.6
	CH 39	-0.7	-85.4
	CH 78	-2.1	-86.1



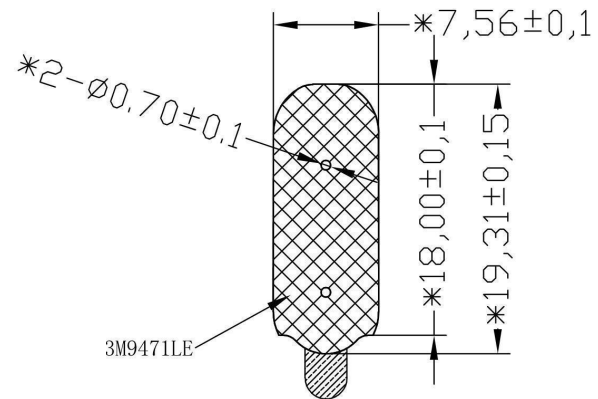
OTA Standard Chamber

B



C

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



B

C