

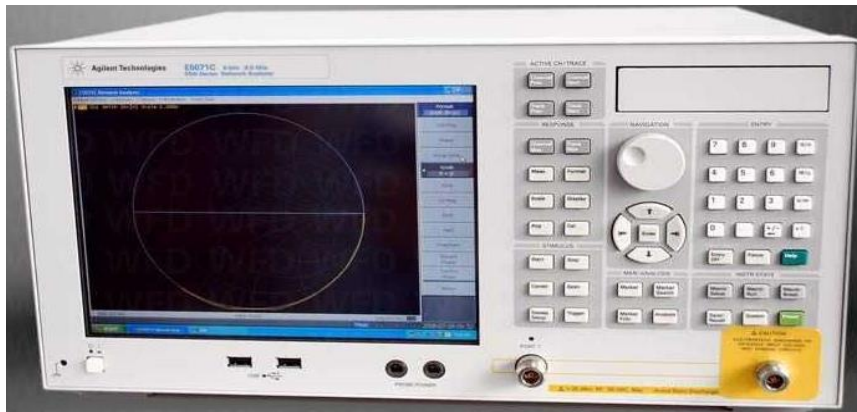
Antenna Specification

Customer name:	AudioWin TECHNOLOGY CO., LTD.
Project name:	AW8000TRX、AW8920TRX
Material category:	Ceramic、ANT
Version:	V1.0
Date:	2021.09.12
Manufacturer:	Gem Electronics Industry Co., LTD
Address:	16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan.

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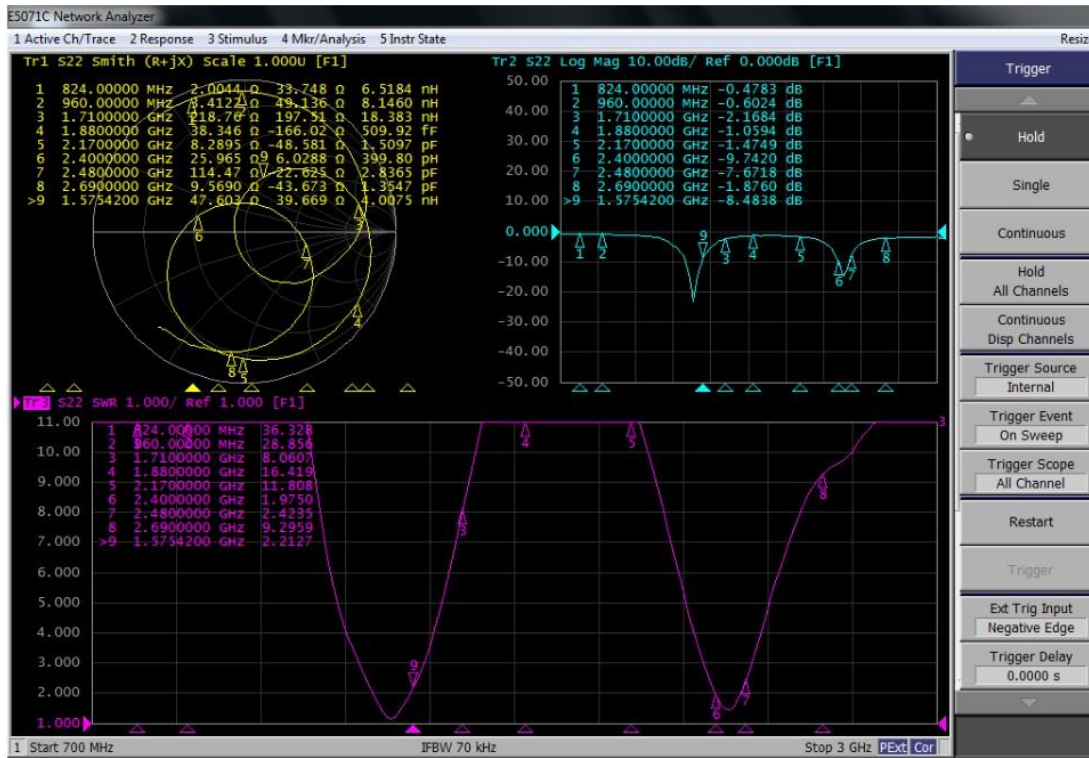
1: Passive data reporting and other parameter characteristics	
2: 3D Active test report of antenna	
3: Matching circuit	
4: Structure file	

I: Passive data reporting and other parameter characteristics



Angilent E5071C

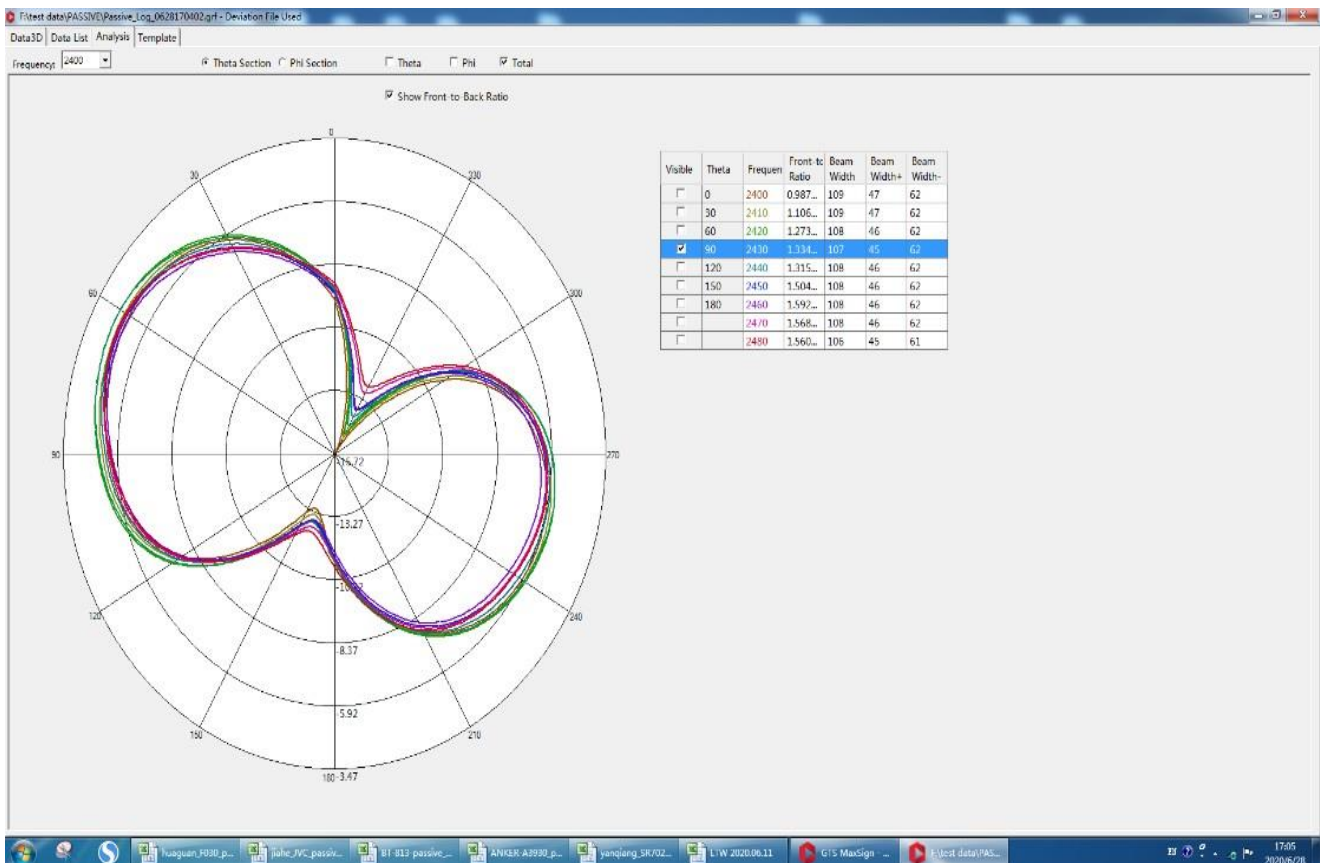
SWR:



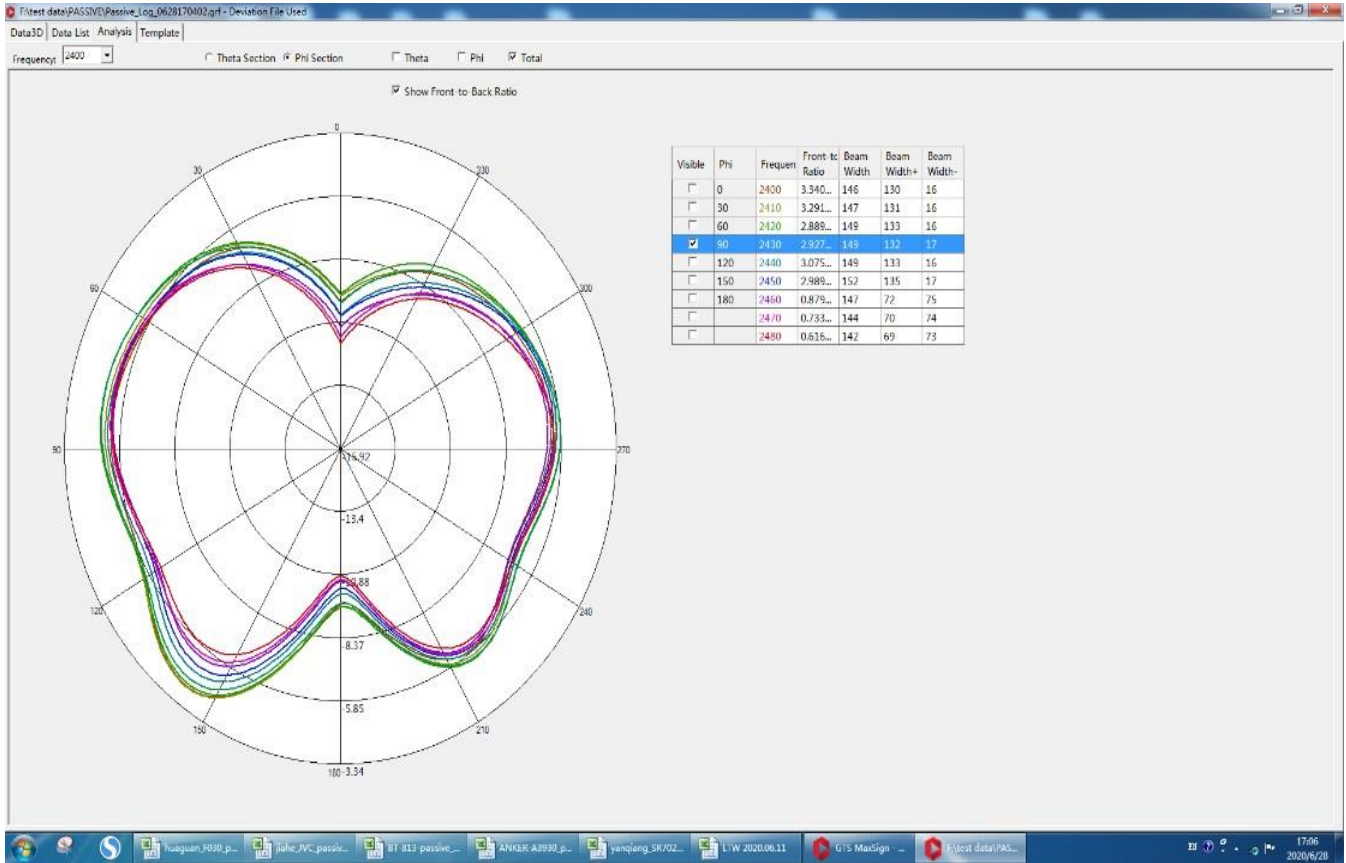
Efficiency:

2400-2480 MHz (Left ear ,PIFA)			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	17.5%	-7.58	2.14
2410	19.6%	-7.07	2.31
2420	22.1%	-6.56	2.67
2430	24.1%	-6.18	2.65
2440	24.8%	-6.05	2.62
2450	25.7%	-5.90	2.32
2460	25.5%	-5.94	2.54
2470	23.3%	-6.32	2.45
2480	20.1%	-6.97	2.66
Average value	22.5%	-6.51	2.61

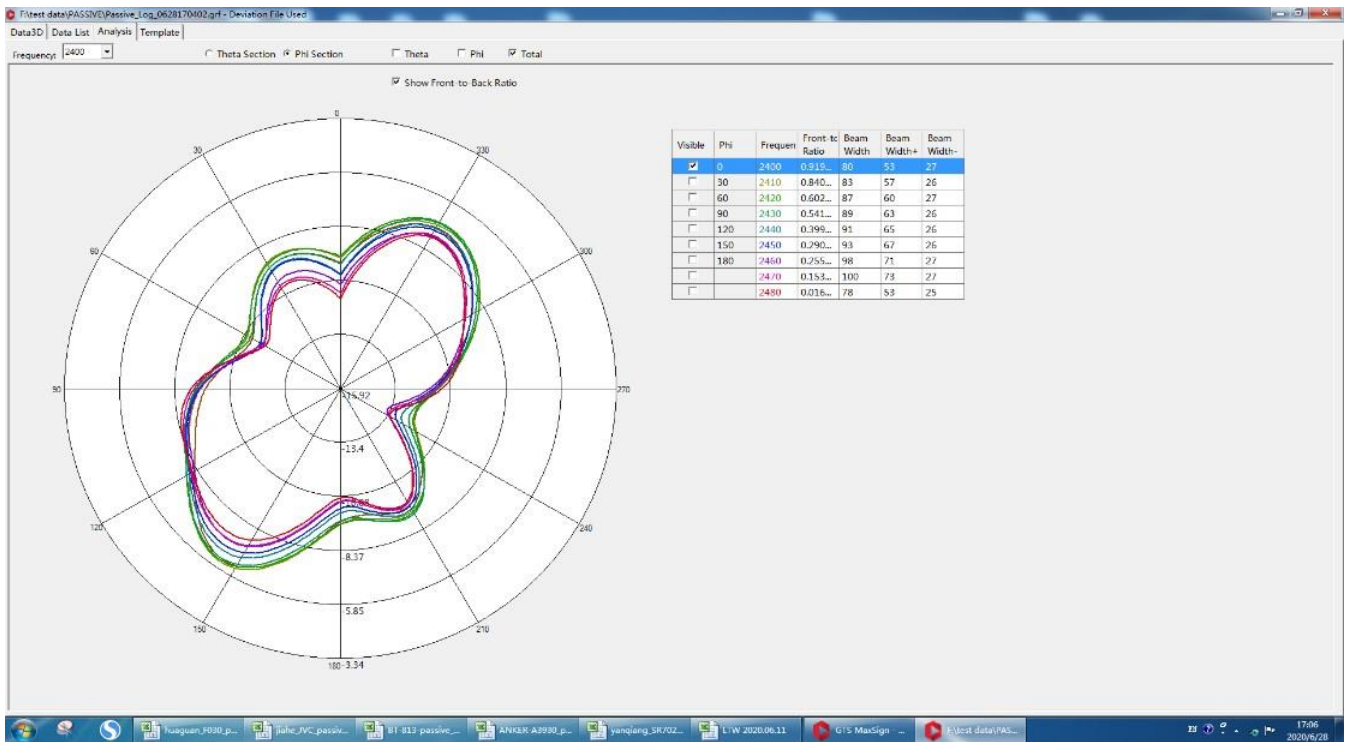
2D Directional map of passive:
Theta=90.00deg



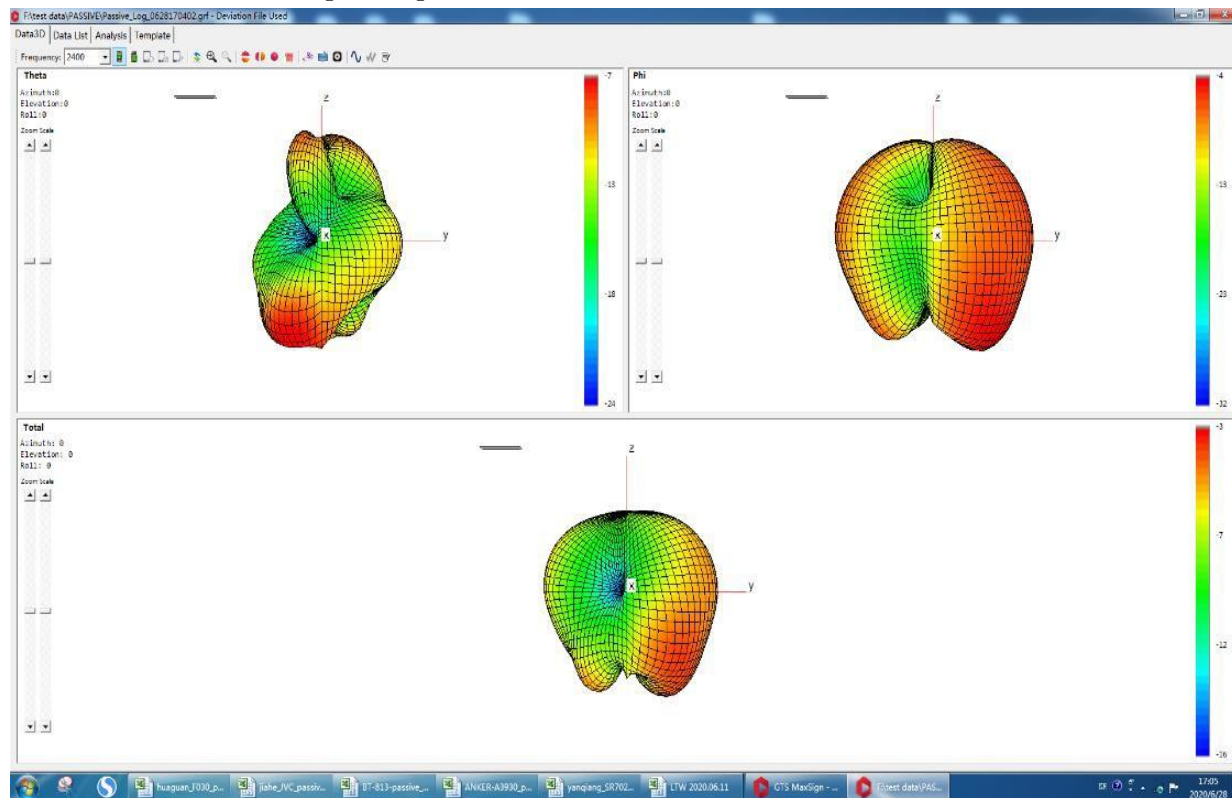
Phi=90.00deg



Phi=0.00deg

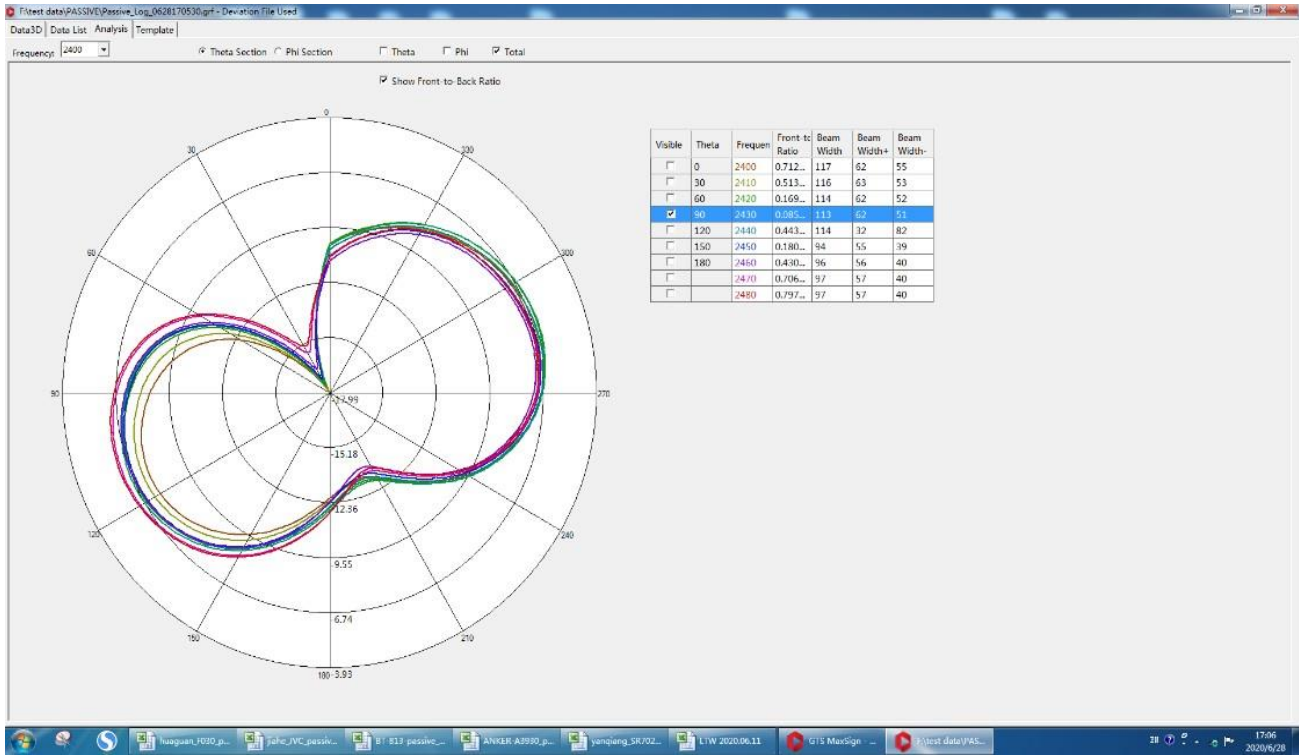


3D Directional map of passive:(Left ear)

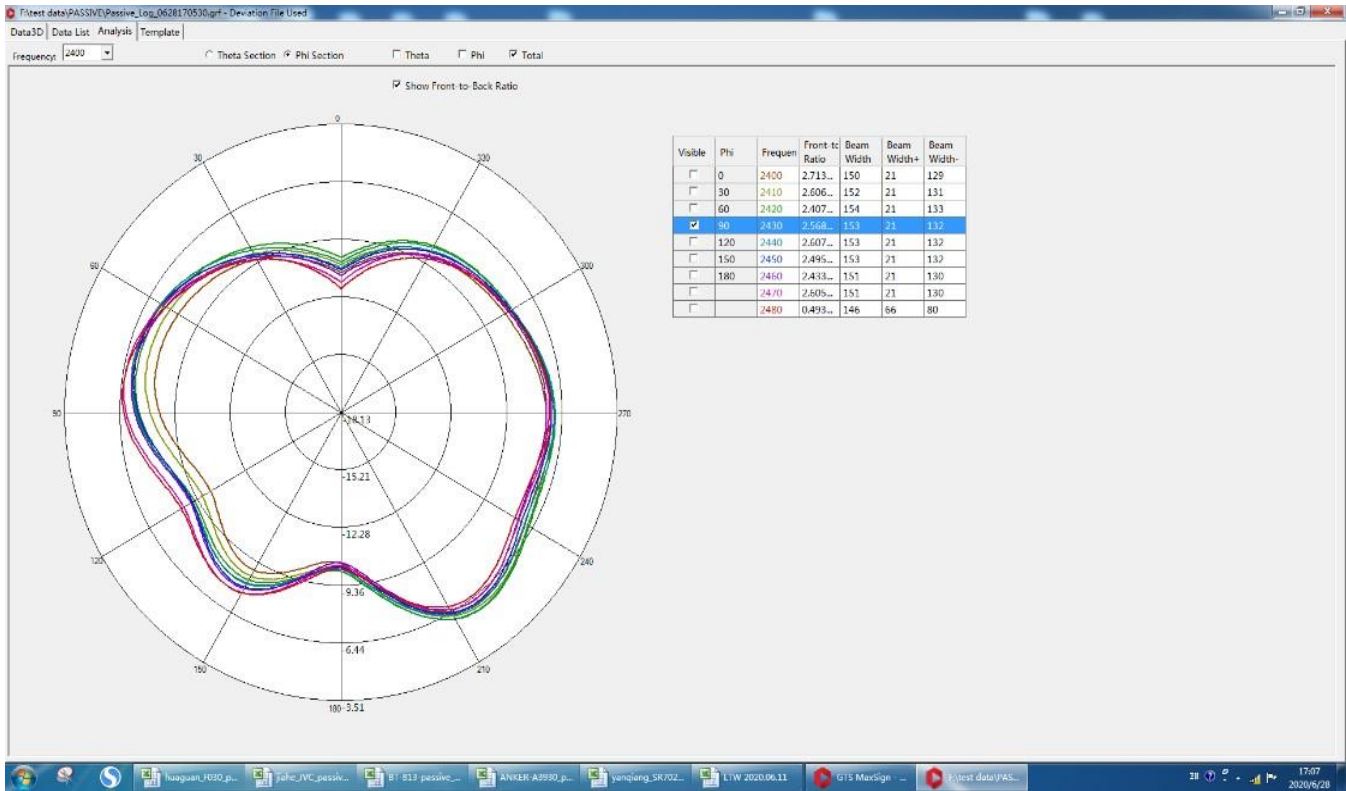


Efficiency:

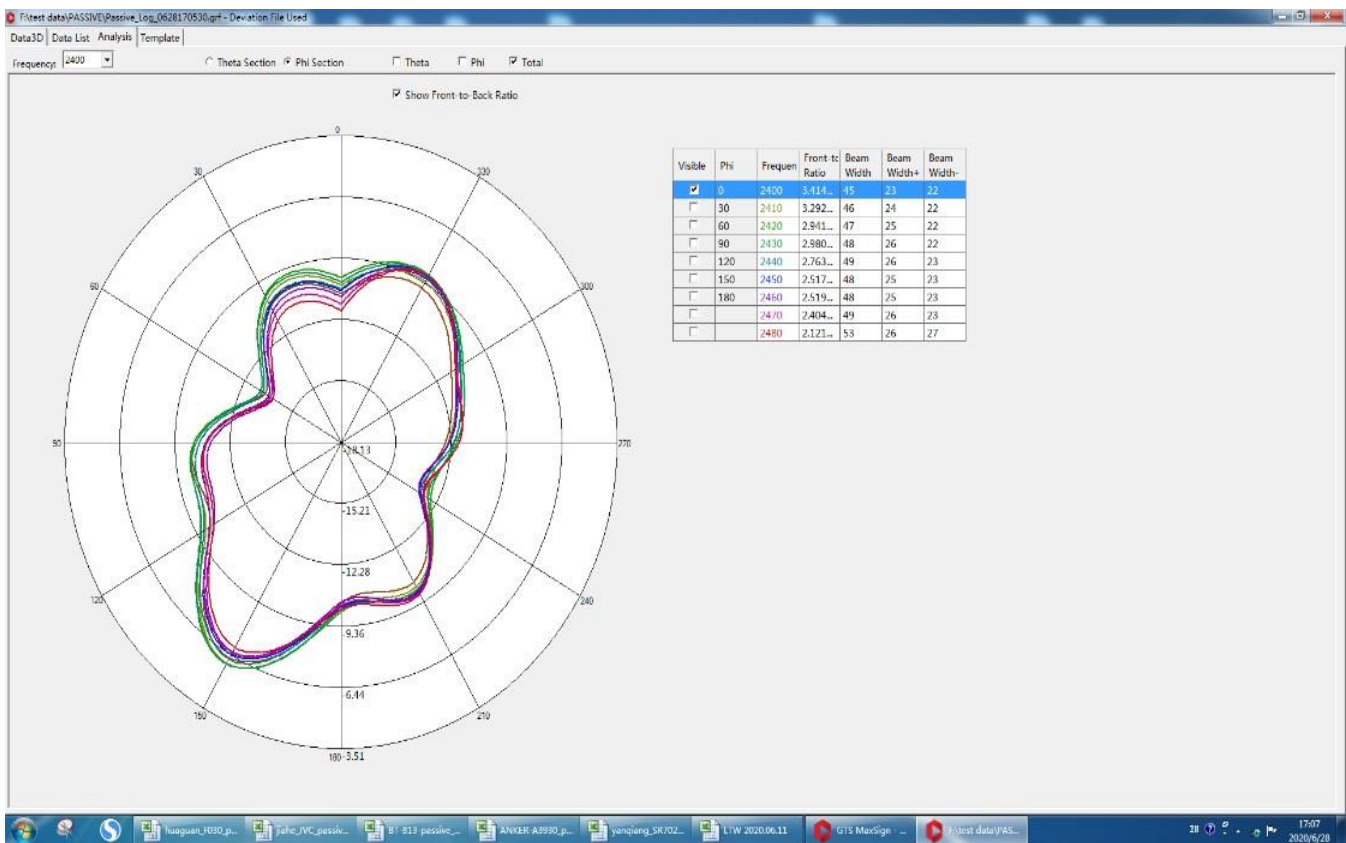
2D Directional map of passive:
Theta=90.00deg



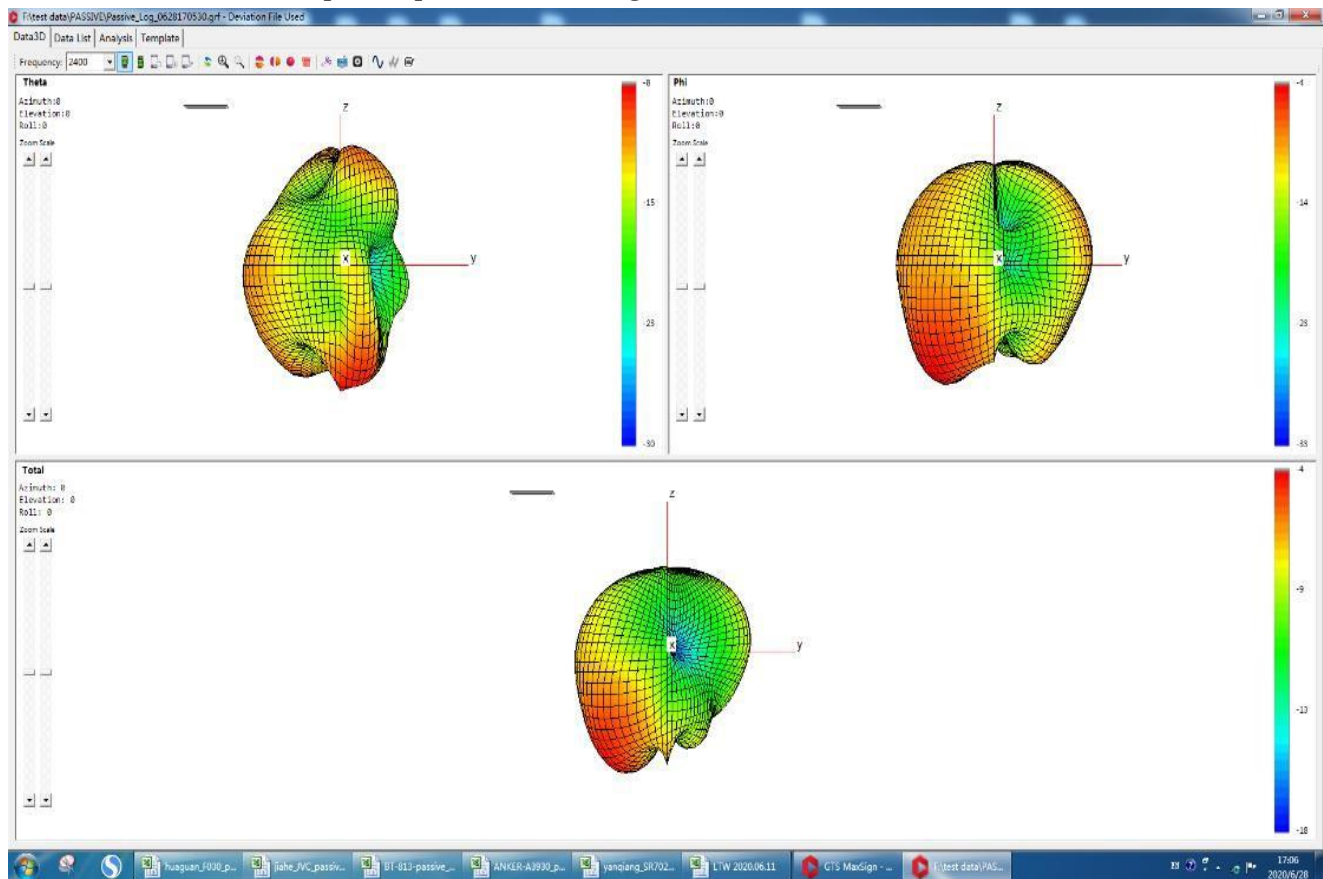
Phi=90.00deg



Phi=0.00deg



3D Directional map of passive:(Right ear)

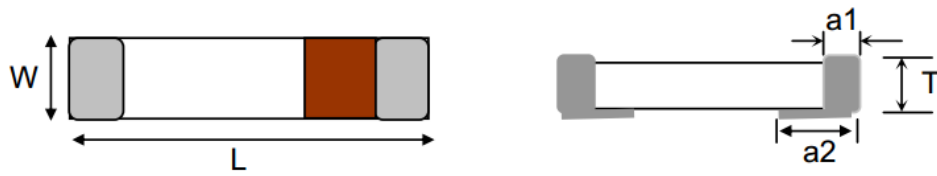


II: 3D Active test report of antenna

Channel	TRP (dBm)	TIS (dBm)
CH 0	3.1	-90.6
CH 39	2.3	-91.3
CH 78	1.2	-91.0

Dimensions and Recommended PC Board Pattern

Unit : mm



Mark	L	W	T	a1	a2
Dimensions	8.0 ± 0.2	1.0 ± 0.2	1.0 ± 0.2	0.5 ± 0.2	1.0 ± 0.2