



样品规格书

客户:	敦拓
项目名称:	Quantum Air
物料类别:	BT 天线
版本:	V2.0
日期:	2022.11.14



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变更记录栏			
编制/变更日期	变更理由	变更内容	版本
2022.11.01	初版发行	初版发行	V1.0
2022.11.14	DVT2 试产	DVT2 试产	V2.0

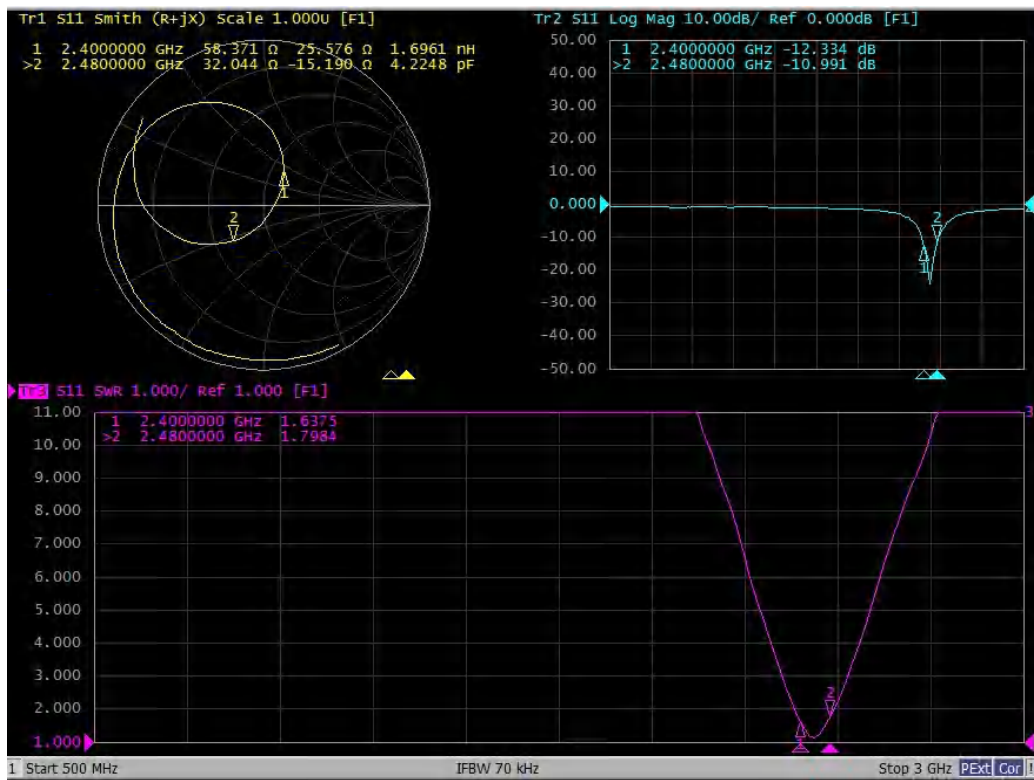


一：无源测试报告



Agilent E5071C

左耳 BT 天线 S11 参数



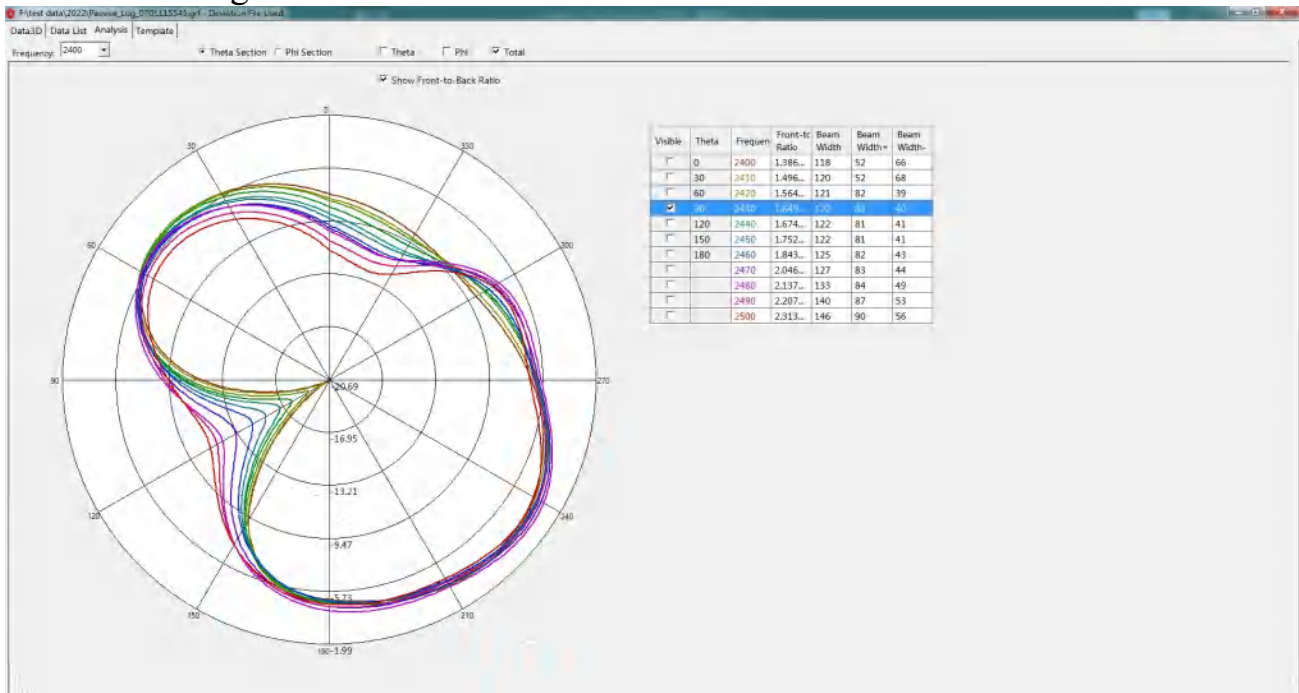
左耳 BT 天线效率和增益：

频点 MHz	效率%	效率 (dB)	增益 (dBi)
2400	25%	-6.04	-2.55
2410	25%	-5.98	-2.38
2420	26%	-5.92	-2.28
2430	25%	-6.04	-2.27
2440	24%	-6.20	-2.36
2450	24%	-6.16	-2.29
2460	23%	-6.32	-2.39
2470	25%	-6.11	-2.21
2480	25%	-6.00	-2.23
平均值	25%	-6.09	-2.33

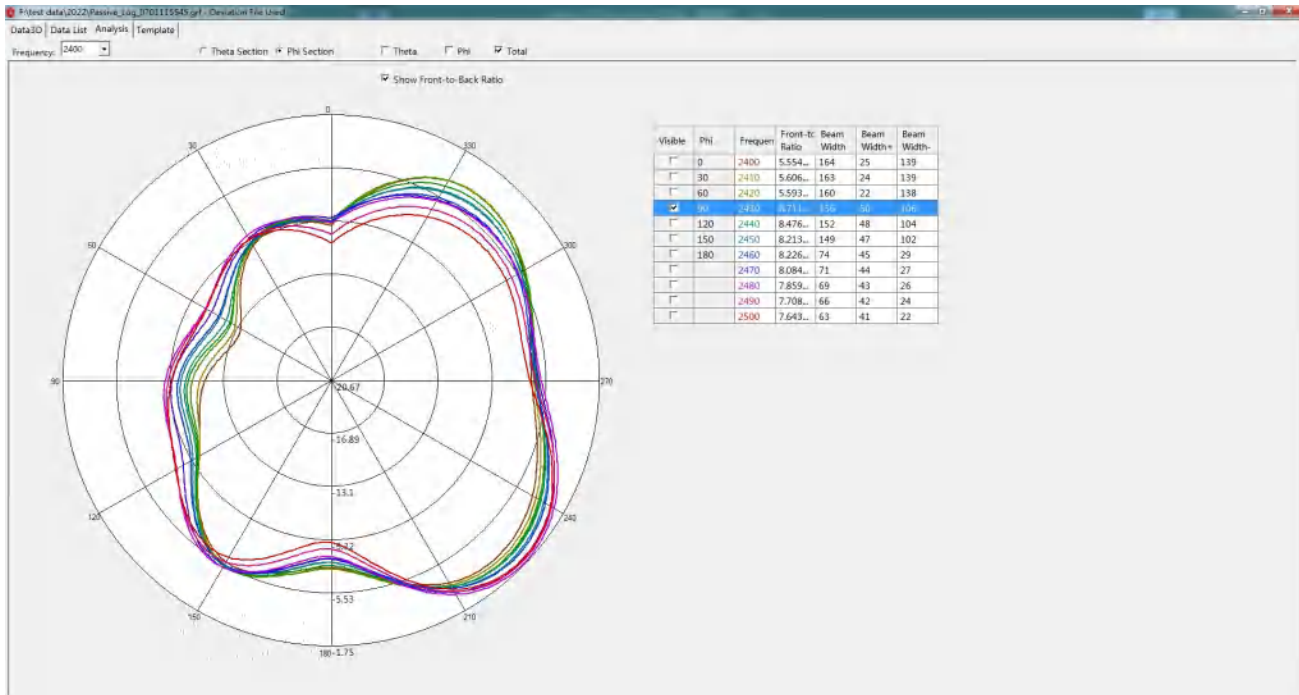


左耳天线无源方向图:

Theta=90.00deg

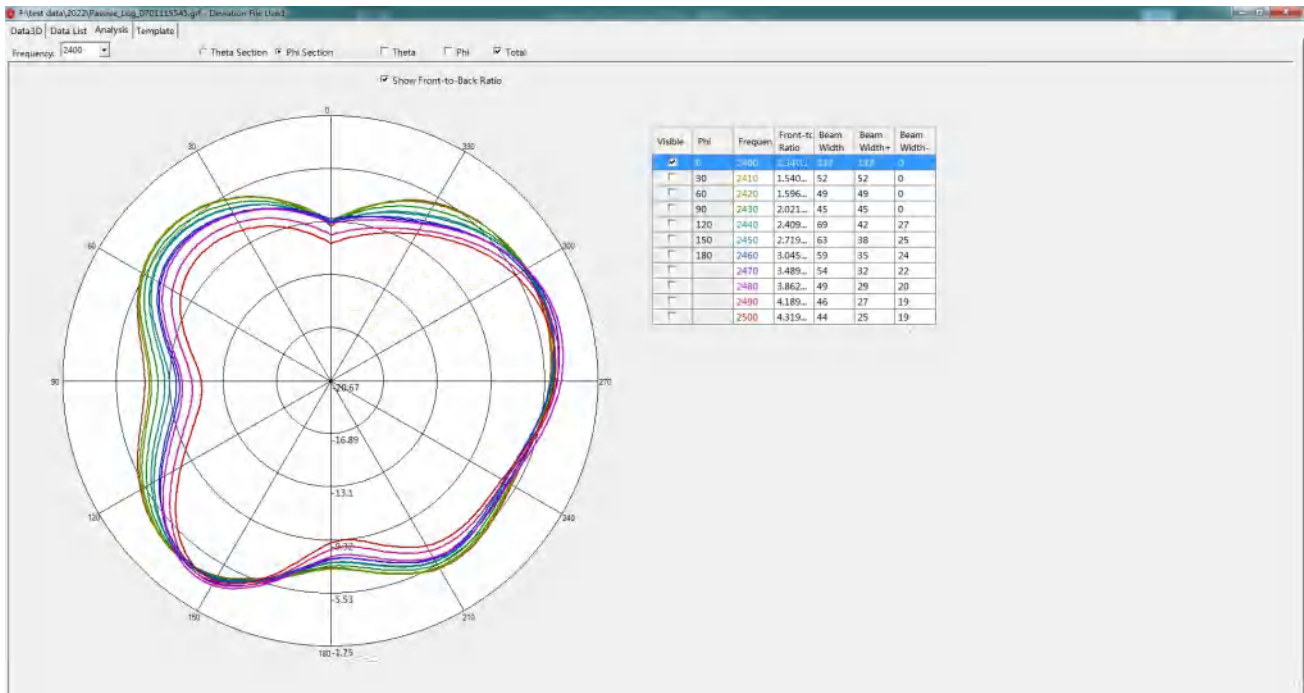


Phi=90.00deg

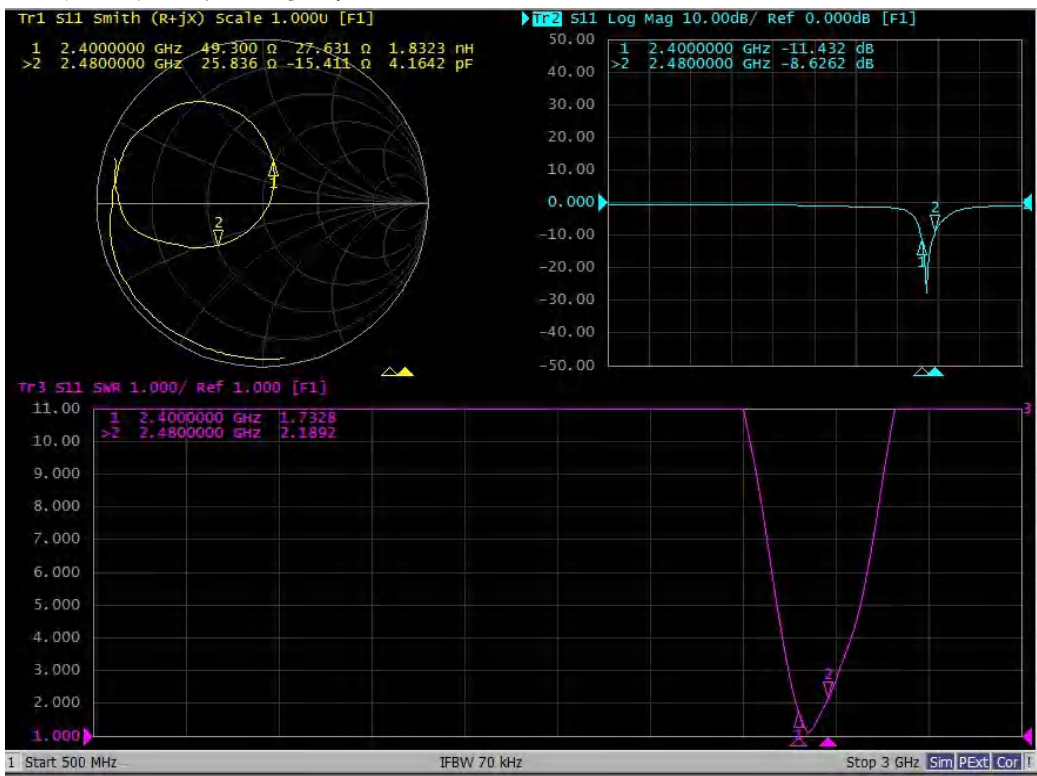




Phi=0.00deg



右耳 BT 天线 S11 参数



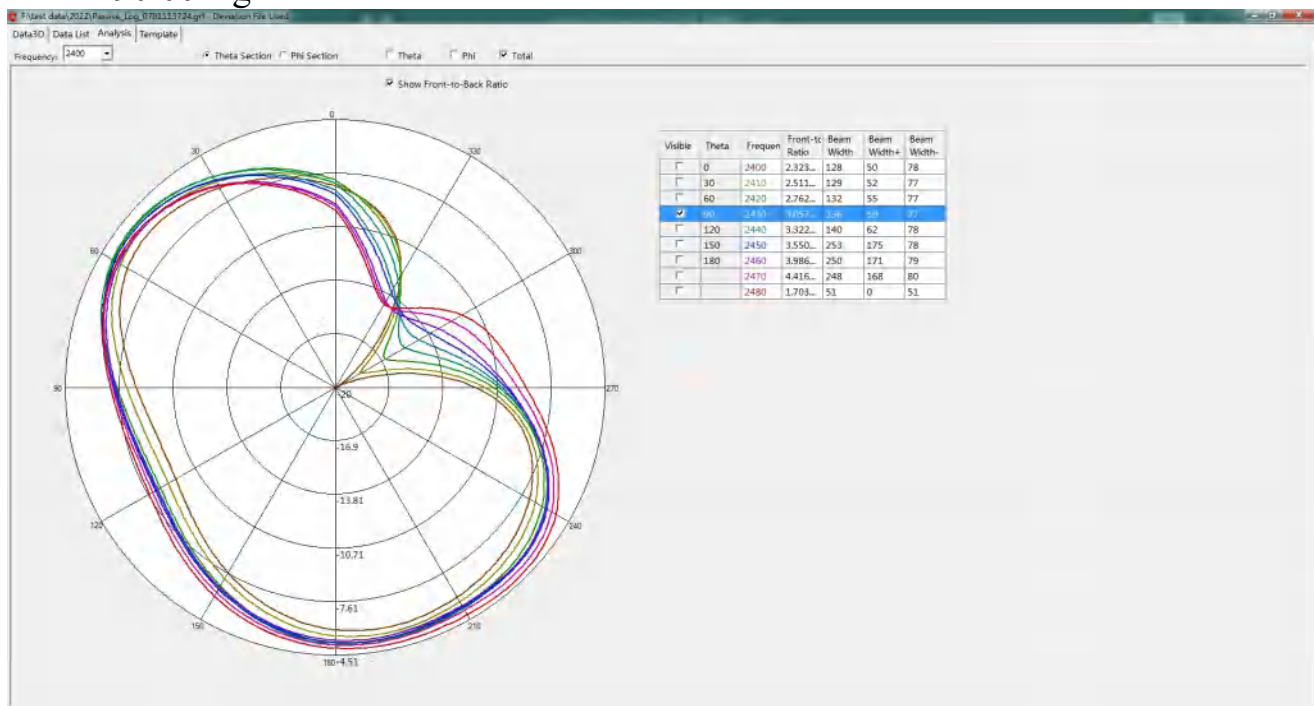


右耳 BT 天线效率和增益:

频点 MHz	效率%	效率(dB)	增益(dBi)
2400	18%	-7.46	-4.68
2410	20%	-7.07	-4.22
2420	21%	-6.79	-3.99
2430	21%	-6.78	-3.94
2440	20%	-6.90	-4.05
2450	21%	-6.87	-4.12
2460	20%	-7.10	-4.21
2470	20%	-6.94	-3.88
2480	20%	-6.89	-3.71
平均值	20%	-6.98	-4.09

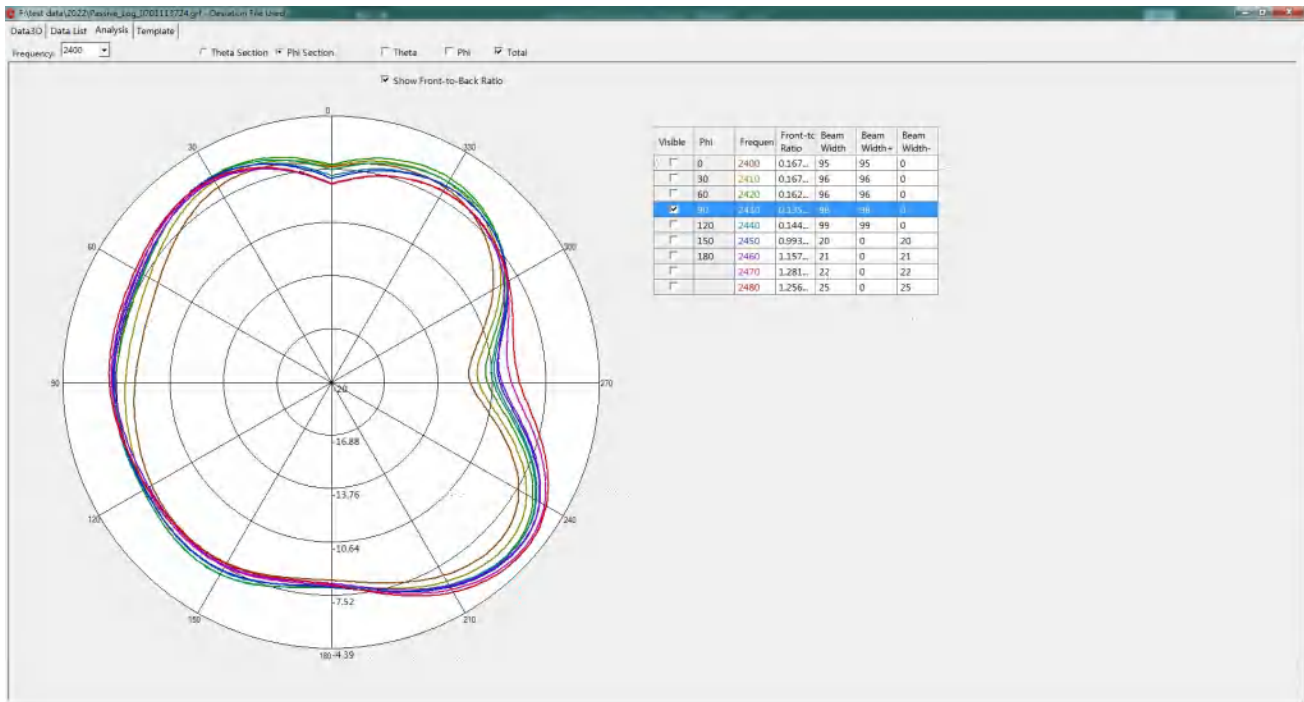
右耳天线无源方向图

Theta=90.00deg

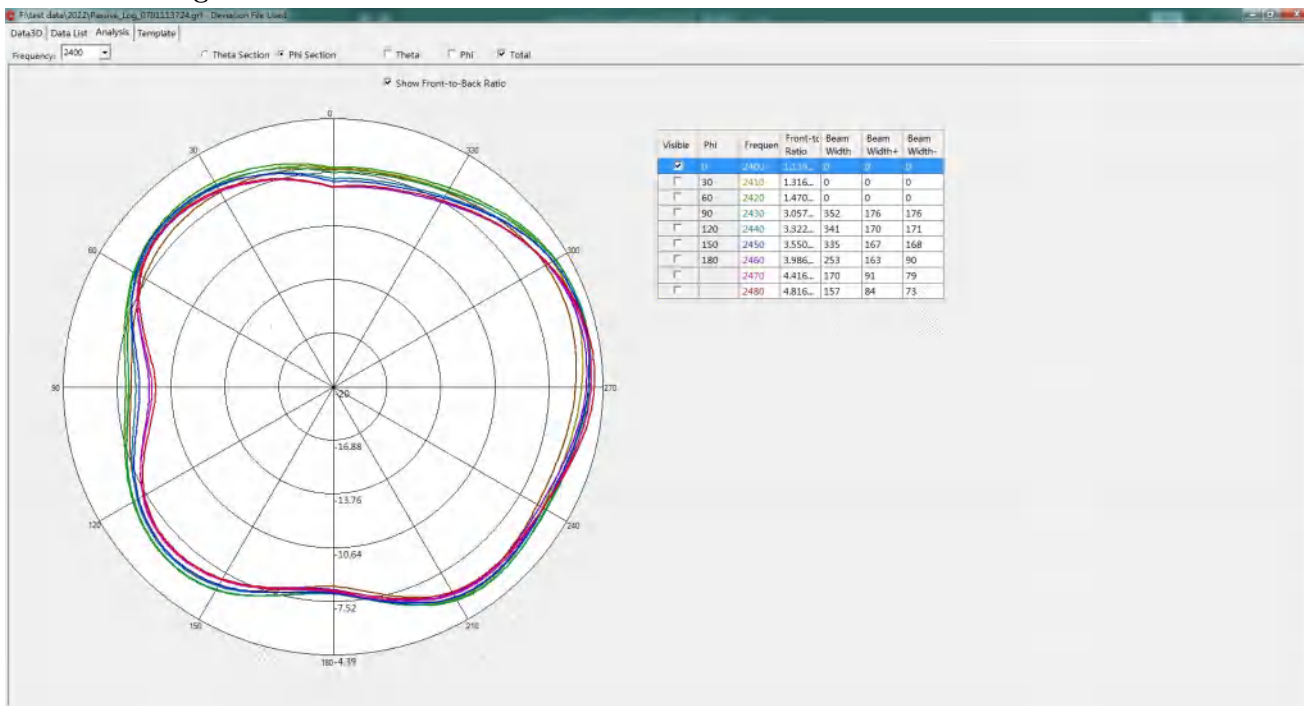




Phi=90.00deg

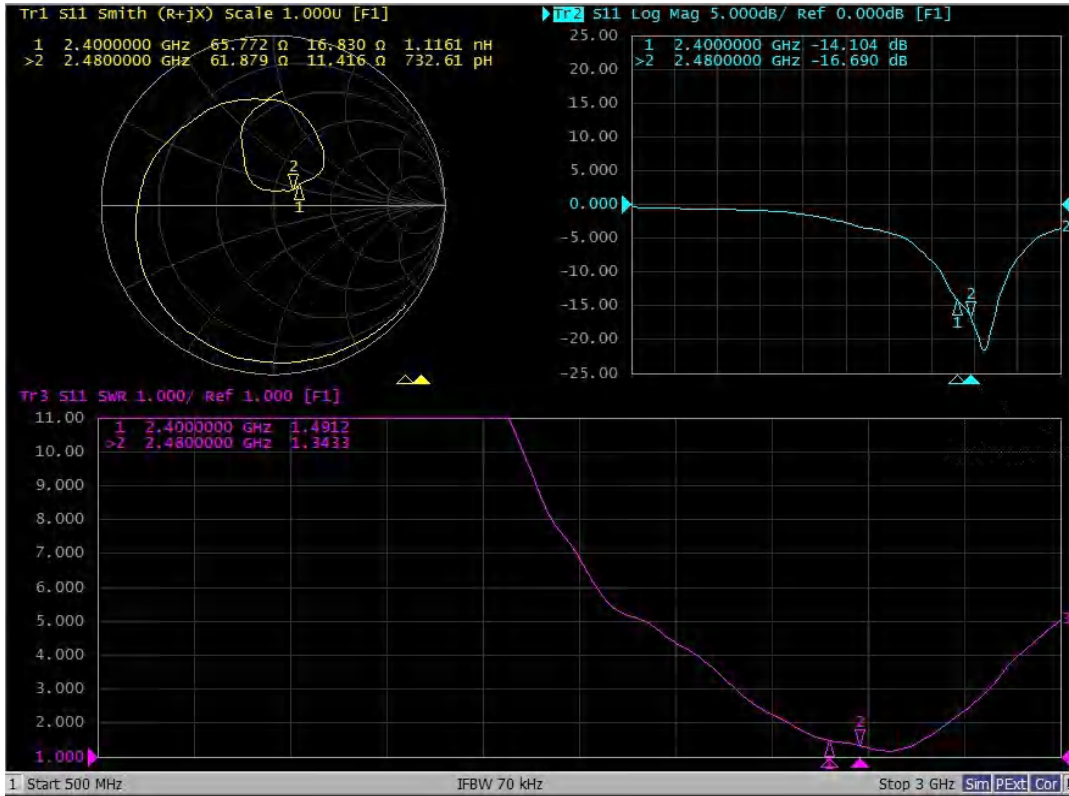


Phi=0.00deg





Dongle 天线 S11 参数



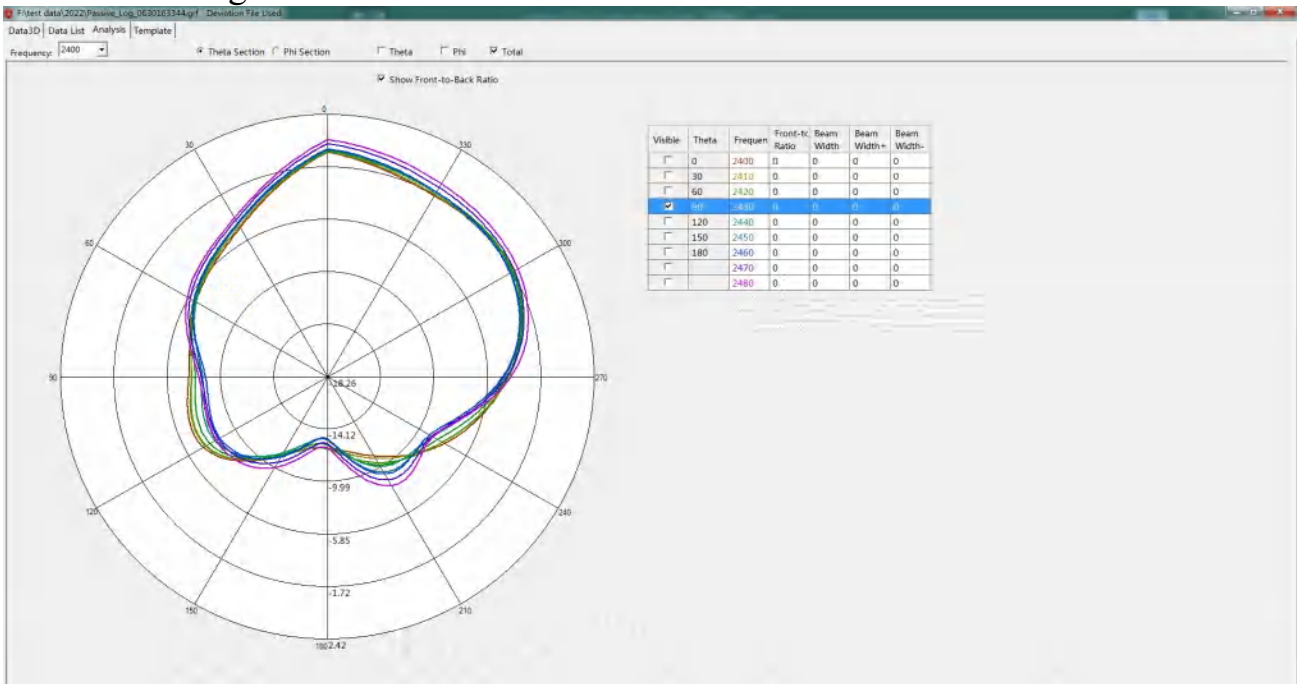
Dongle 天线效率和增益:

频点 MHz	效率%	效率(dB)	增益(dBi)
2400	33%	-4.87	1.82
2410	33%	-4.80	1.97
2420	34%	-4.73	2.05
2430	33%	-4.82	2.01
2440	32%	-4.94	1.95
2450	33%	-4.83	2.06
2460	32%	-4.91	2.02
2470	35%	-4.61	2.30
2480	36%	-4.40	2.42
平均值	33%	-4.77	2.07

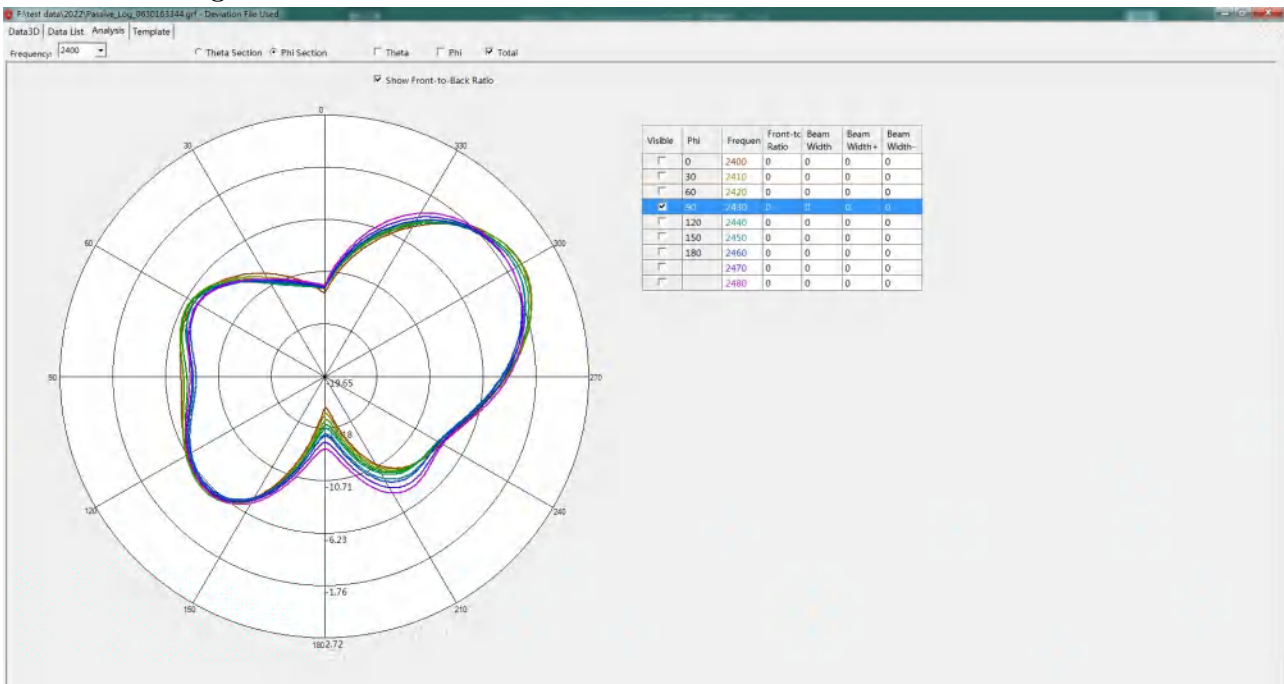


Dongle 天线无源方向图

Theta=90.00deg

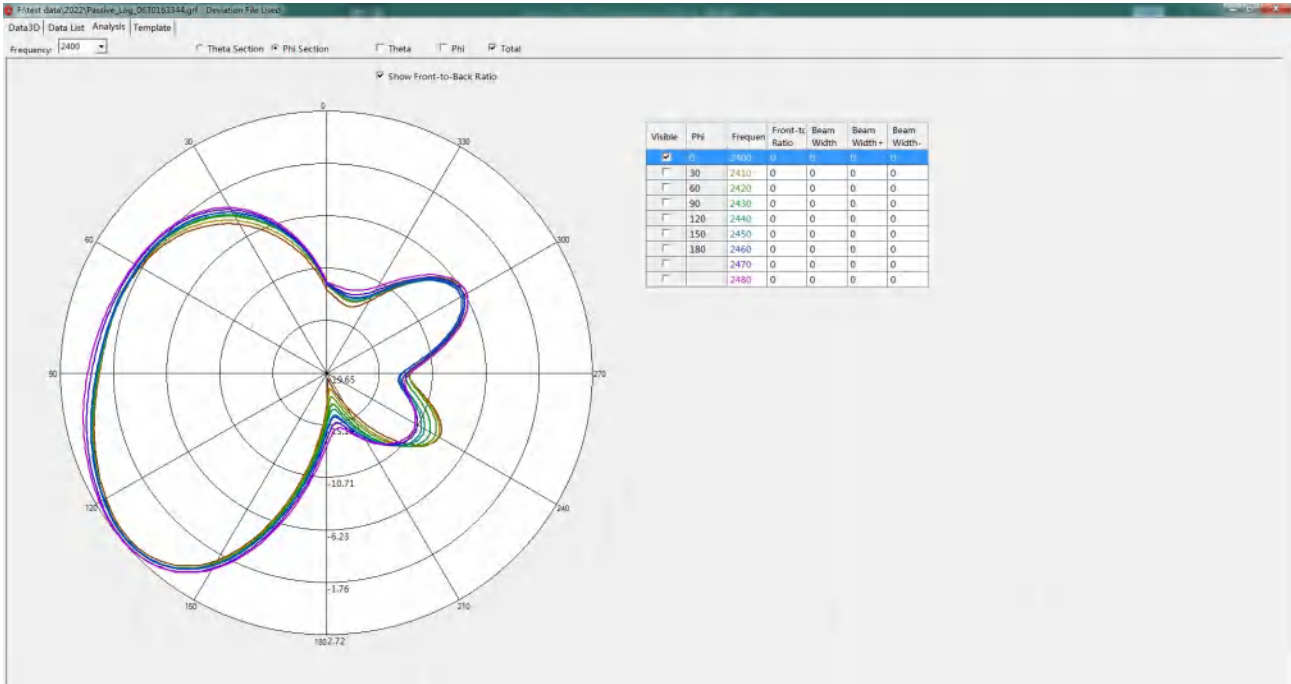


Phi=90.00deg

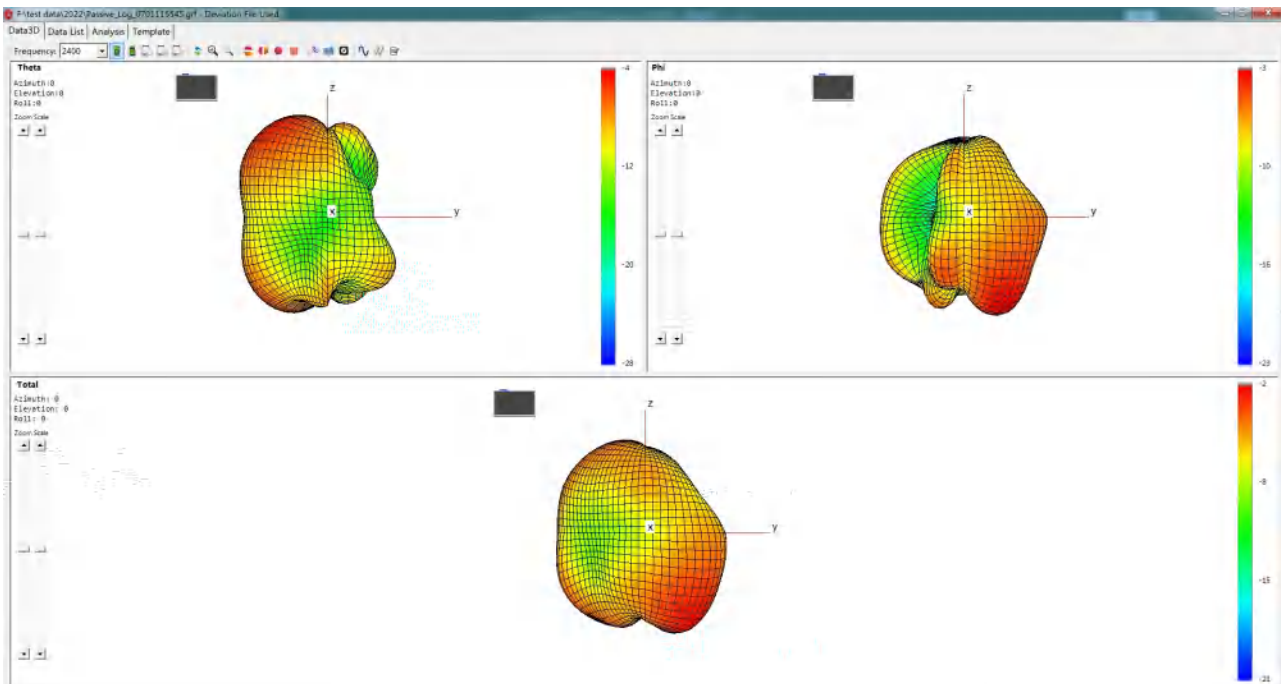




Phi=0.00deg

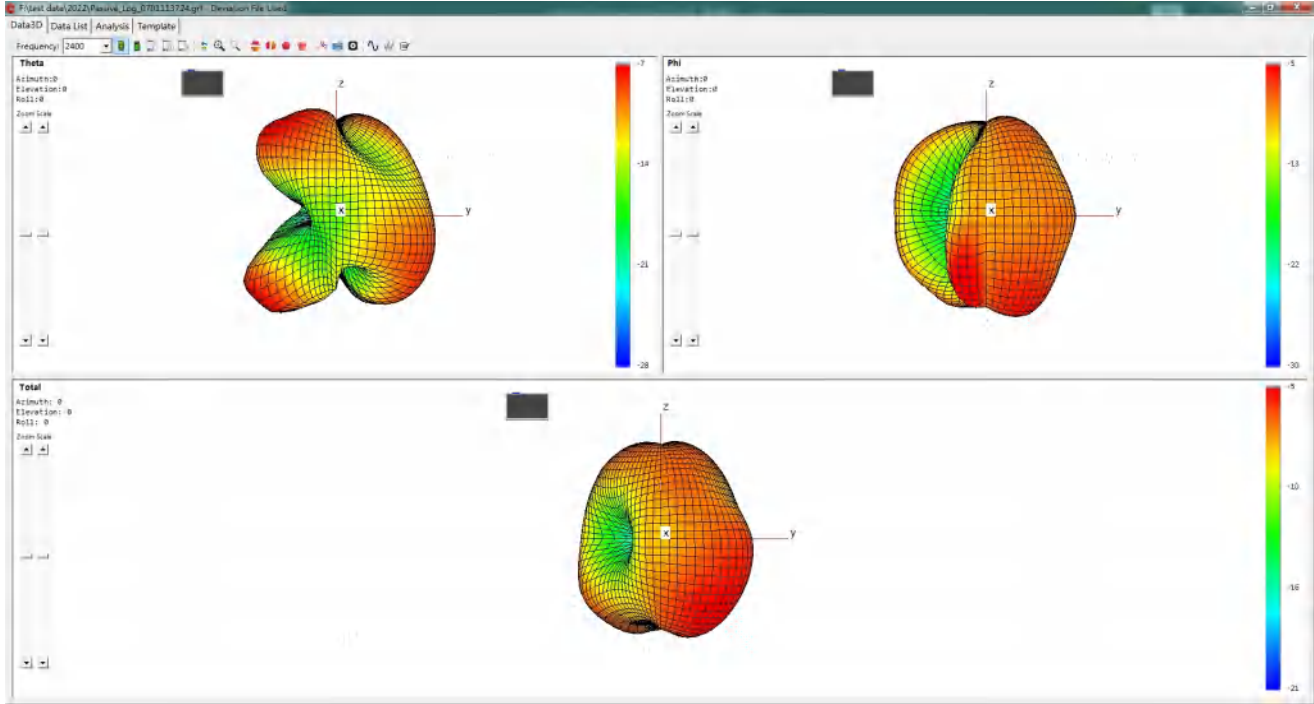


左耳天线无源 3D 方向图

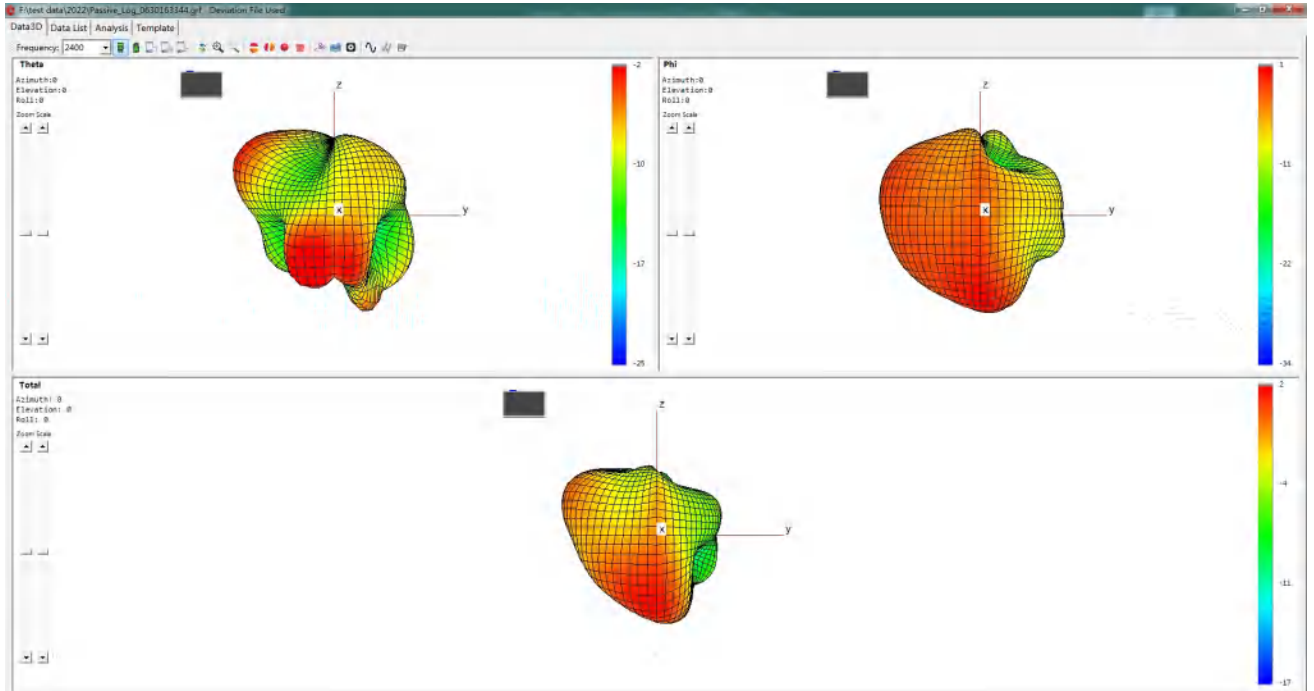




右耳天线无源 3D 方向图



Dongle 天线无源 3D 方向图





二：BT 天线 3D 暗室数据

自由空间	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	0.2	-87.0
	CH 39	1.0	-88.1
	CH 78	2.1	-87.8

自由空间	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	1.3	-88.1
	CH 39	2.8	-88.3
	CH 78	4.2	-89.0

人头耳	Channel	TRP (dBm)	TIS (dBm)
L	CH 0	-2.8	-83.6
	CH 39	-1.0	-84.5
	CH 78	-0.8	-84.9

人头耳	Channel	TRP (dBm)	TIS (dBm)
R	CH 0	-1.7	-84.0
	CH 39	-0.6	-84.9
	CH 78	-1.0	-84.1

Dongle	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	4.1	-88.7
	CH 39	4.5	-89.5
	CH 78	4.9	-89.0



OTA Standard Chamber