



# 样品规格书

项目名称:	D32
物料类别:	BT/WIFI 天线
版本:	V1.0
日期:	2023.12.07

A505/506, Donglian Building, Chuangye 2nd Road, Dalang Community, Xin 'an Street, Bao 'an District, Shenzhen



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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
2023.12.07	初版发行	初版发行	V1.0



一：无源测试报告



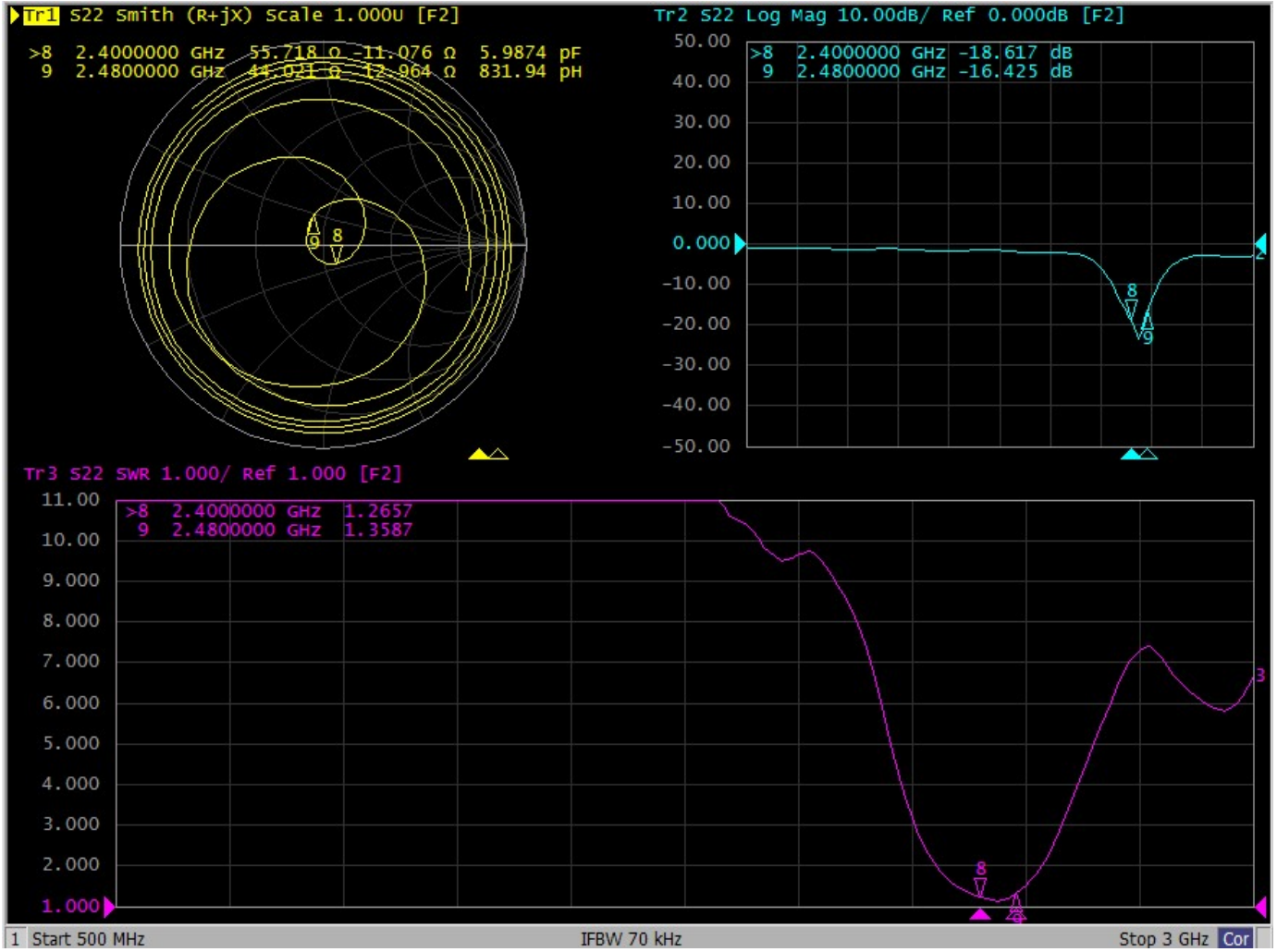
Agilent E5071C

WIFI 天线 S11 参数





BT 天线 S11 参数





WIFI 天线效率和增益:

2.4G			
频点 MHz	增益 (dBi)	效率 (dB )	效率%
2400	2.2	-3.3	46.7
2410	2.4	-3.3	46.6
2420	2.5	-3.3	46.6
2430	2.5	-3.4	45.2
2440	2.5	-3.6	43.5
2450	2.6	-3.5	44.2
2460	2.4	-3.6	43.2
2470	2.6	-3.4	45.7
2480	3.0	-3.2	47.8
平均值	2.5	-3.4	45.5

5G			
频点	增益	效率 db	效率%
5150	2.1	-3.8	41.4
5200	1.6	-4.0	40.1
5250	1.3	-3.9	40.3
5300	1.0	-3.8	41.5
5350	0.9	-4.1	38.5
5400	0.7	-4.5	35.2
5450	0.6	-4.3	36.9
5500	0.9	-3.6	43.3
5550	1.2	-3.7	42.5
5600	1.1	-3.5	44.5
5650	0.7	-3.6	43.9
5700	1.7	-3.4	46.0
5750	2.1	-3.0	50.0
5800	1.8	-3.1	48.6
5850	2.3	-2.8	52.5
平均值	1.3	-3.7	43.0



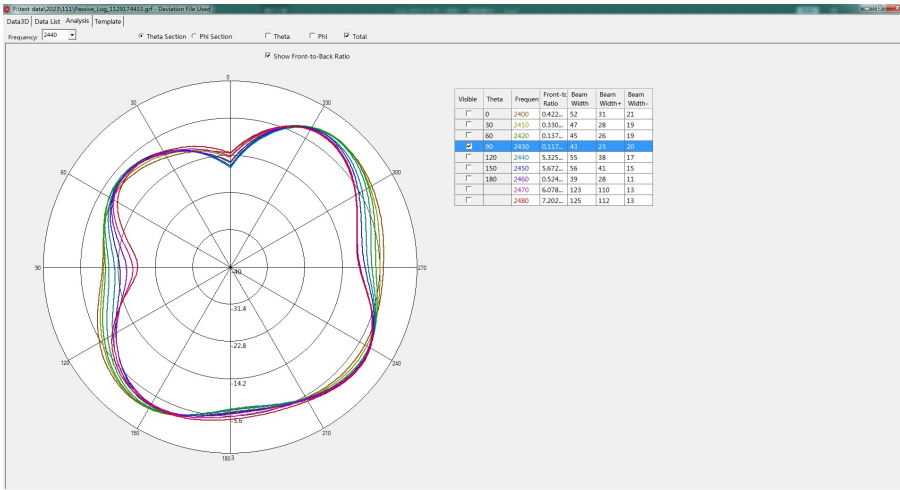
BT 天线效率和增益:

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2450	0.9	-3.5	44.5
2460	0.8	-3.7	42.7
2470	1.0	-3.5	45.1
2480	1.2	-3.4	46.0
平均值	1.1	-3.4	45.5

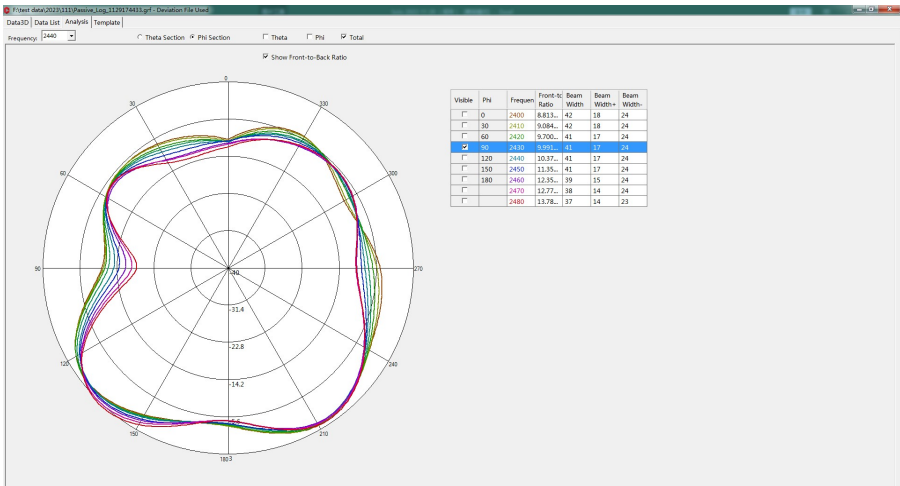


## WIFI 天线无源方向图(2.4G):

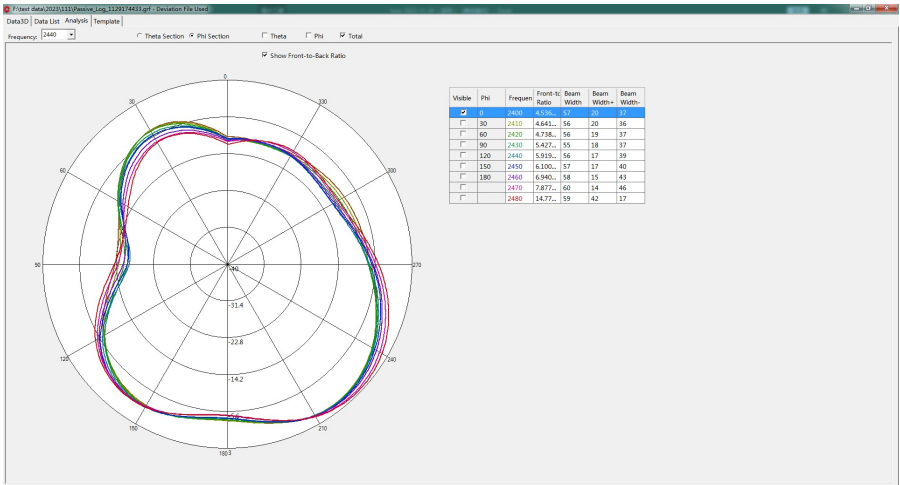
Theta=90.00deg



## Phi=90.00deg



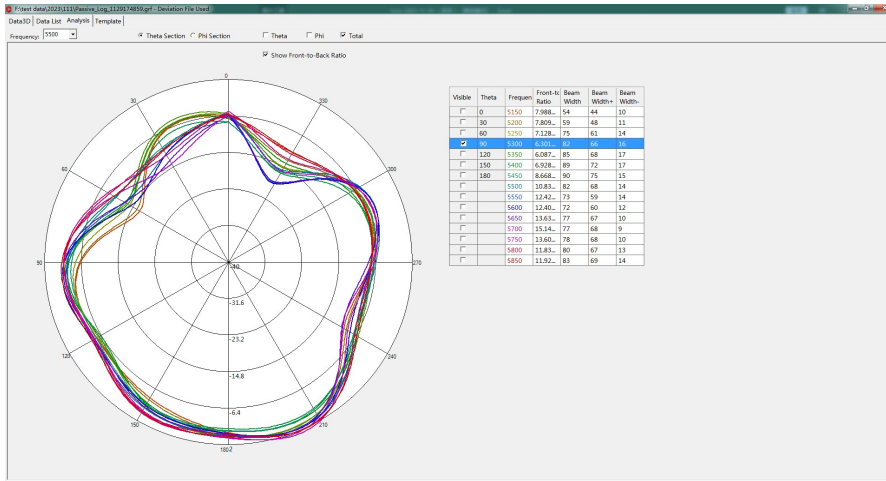
## Phi=0.00deg



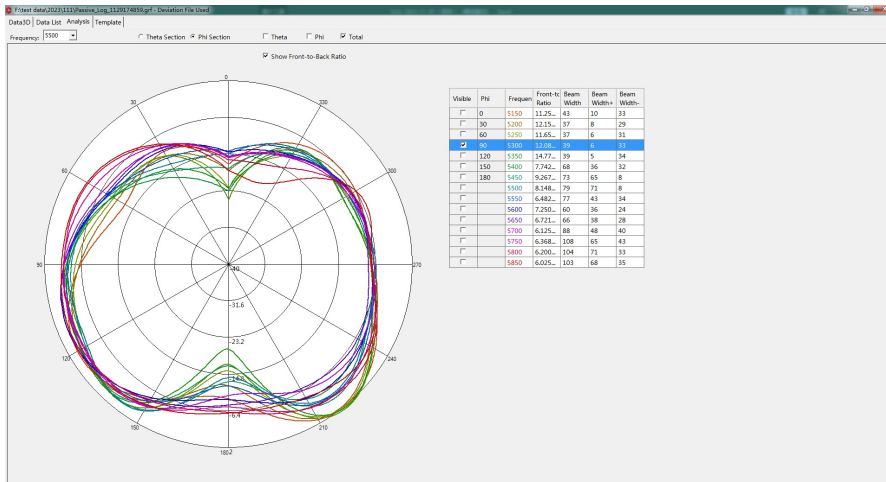


### WIFI 天线无源方向图(5G):

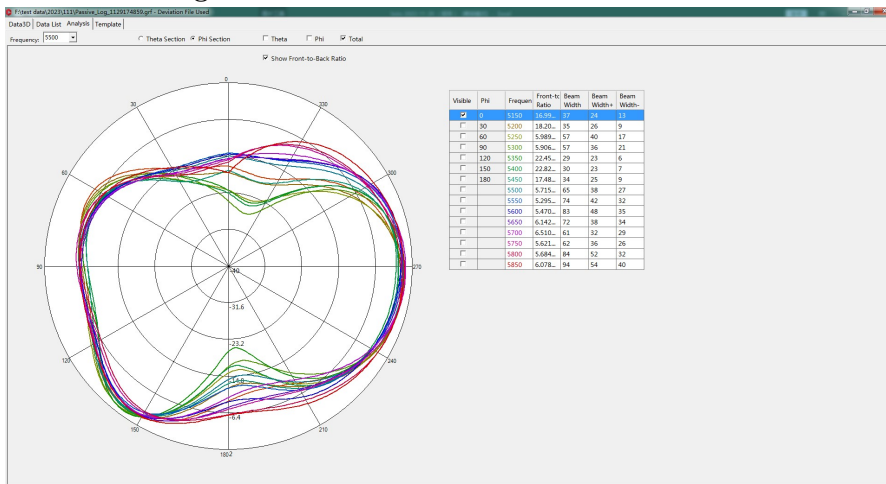
Theta=90.00deg



### Phi=90.00deg



### Phi=0.00deg

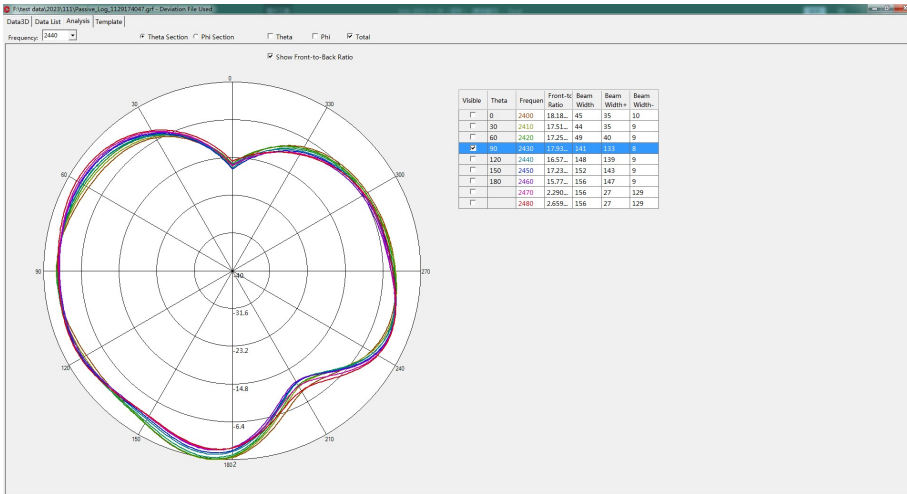




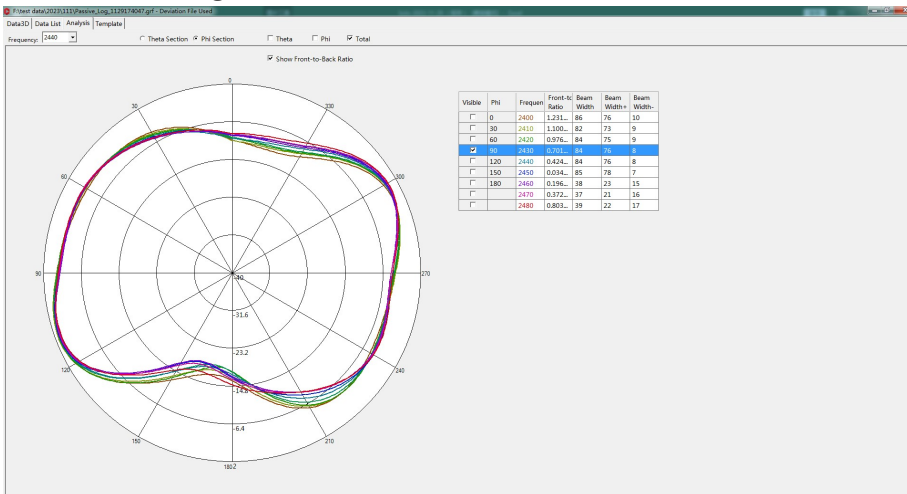


## BT 天线无源方向图

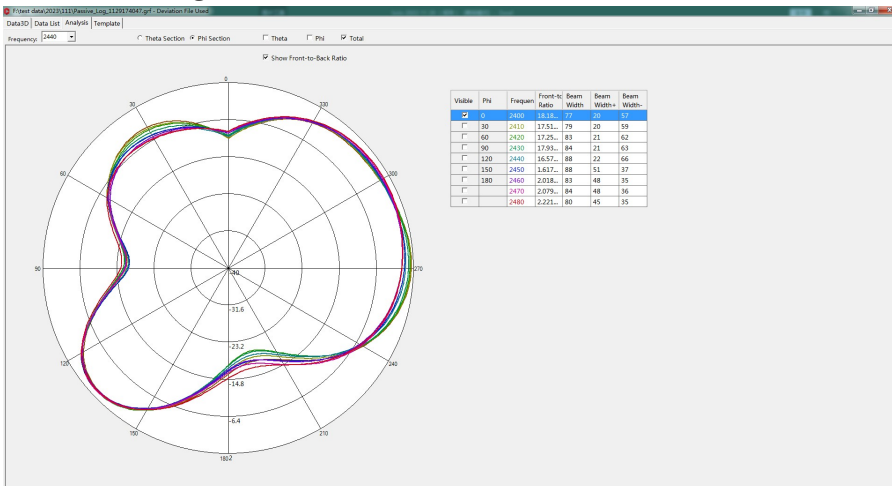
### Theta=90.00deg



### Phi=90.00deg

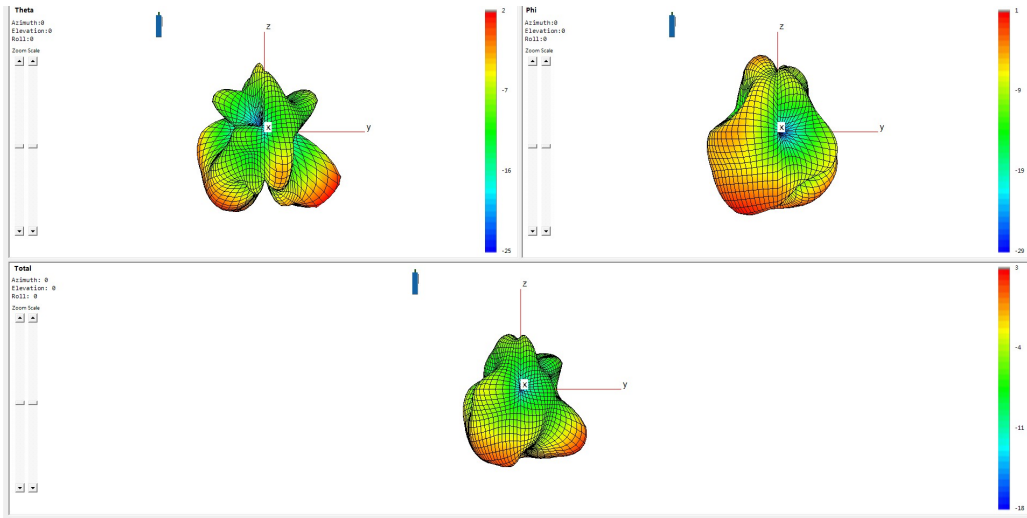


### Phi=0.00deg

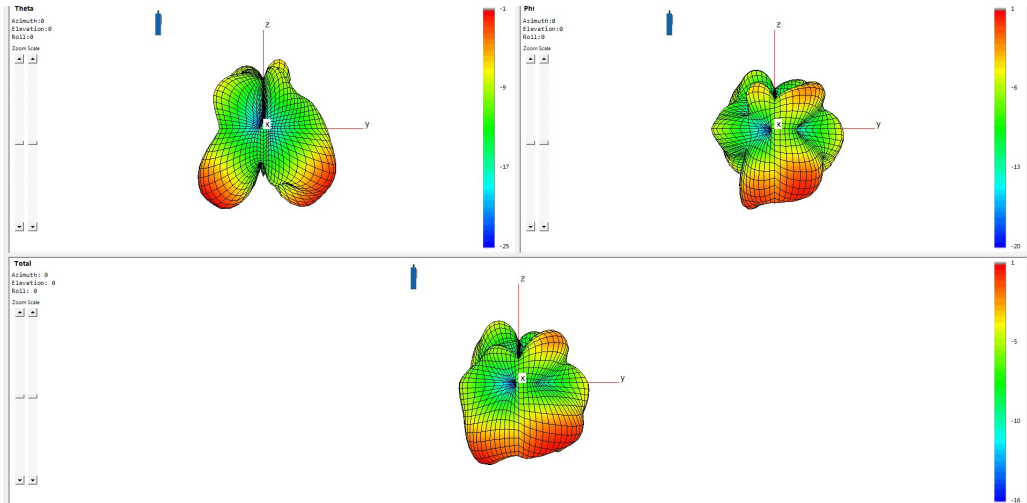




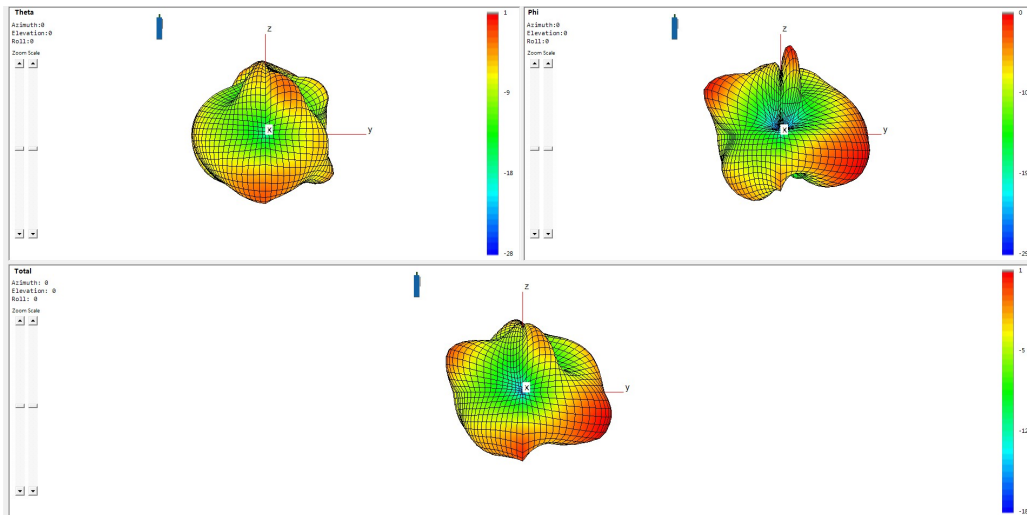
### WIFI 天线无源 3D 方向图 (2.4G)



### WIFI 天线无源 3D 方向图 (5G)



### BT 天线无源 3D 方向图





二：BT 天线 3D 暗室数据

ANT-1	Channel	TRP (dBm)	TIS (dBm)
WIFI A	CH 36	8.7	-71.9
	CH 100	9.2	-72.2
	CH 165	9.0	-72.0

ANT-1	Channel	TRP (dBm)	TIS (dBm)
WIFI B	CH 1	15.4	-86.0
	CH 7	15.7	-86.1
	CH 13	15.4	-85.8

ANT-2	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	5.4	-91.5
	CH 39	5.3	-91.3
	CH 78	5.3	-91.3

OTA Standard Chamber