



Antenna Part Specification

Project name:	OLA
Material category:	LDS
Antenna morphology:	Monopole
Version:	V1.0
Date:	2023.10.27

All the test data are tested by the Shen Zhen Cicent Communication Technology Co., Ltd

Address: A505/506, Donglian Building, Chuangye Er Road, Dalang Community,
Xin'an Street, Bao'an District, Shenzhen City, Guangdong Province, China



Contents

I: The report of passive data 3
II: 3D Active test report of antenna..... 8
III: Matching circuit 8
IV: Structure file..... 9
V: Antenna photo 10

Change record			
Compile / change date	Reason for change	Changed content	Version

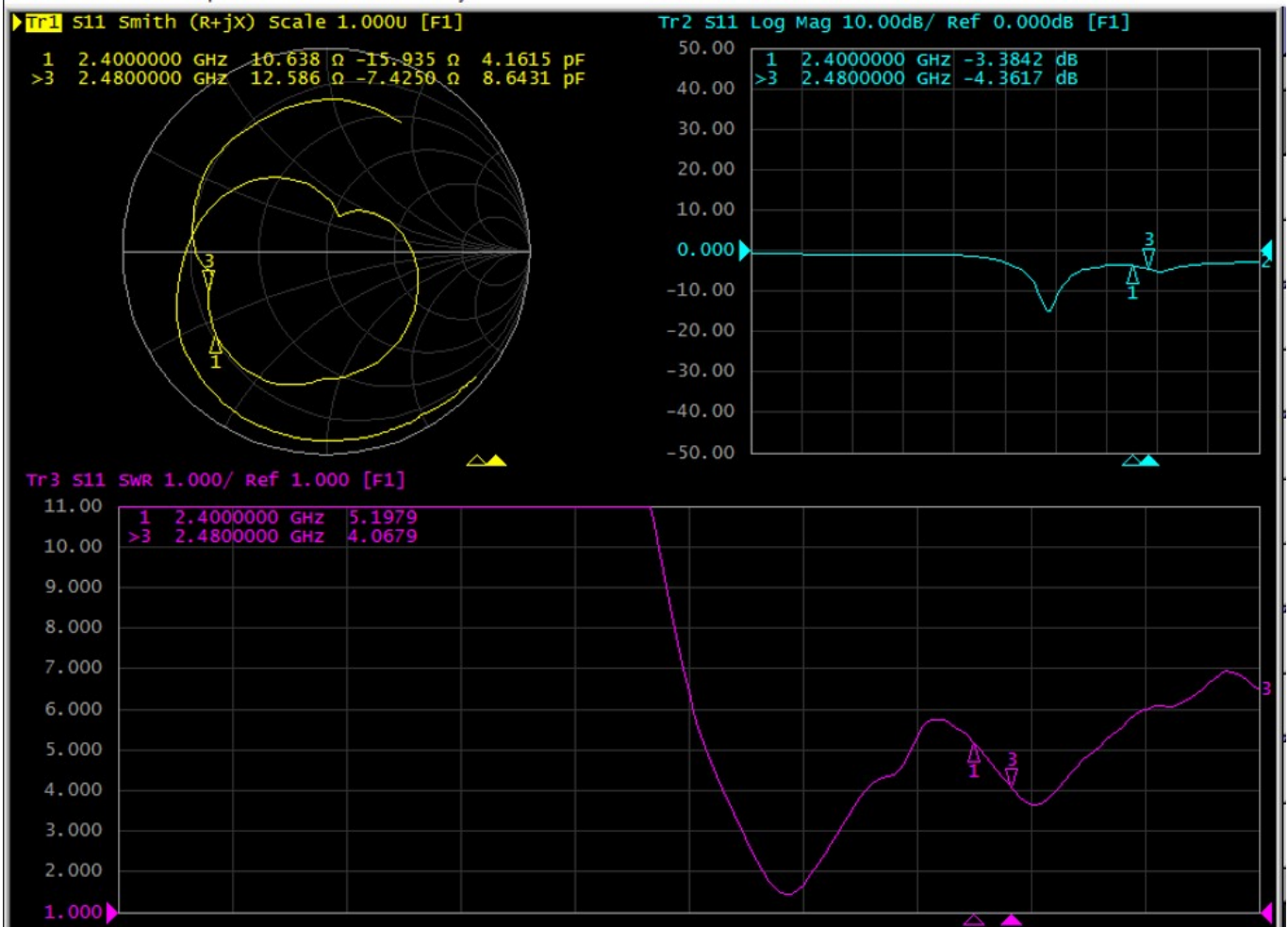


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation



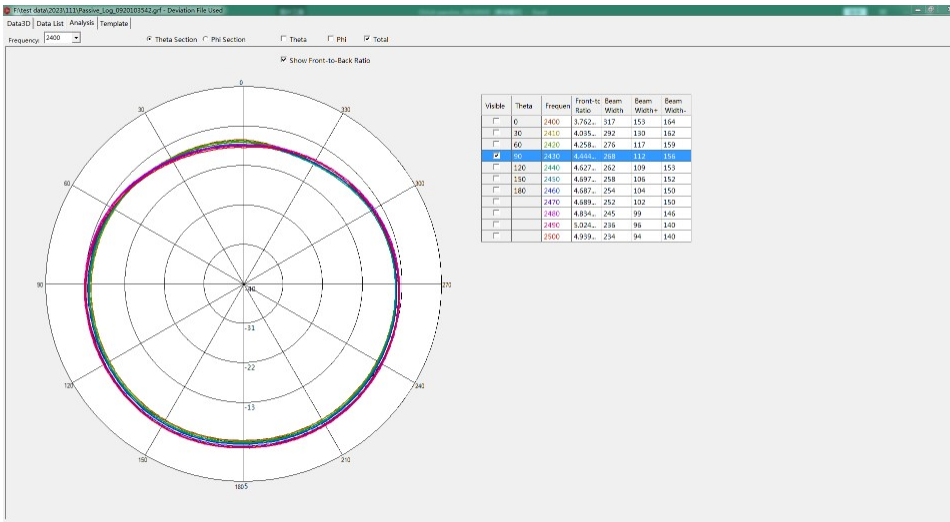


Efficiency:

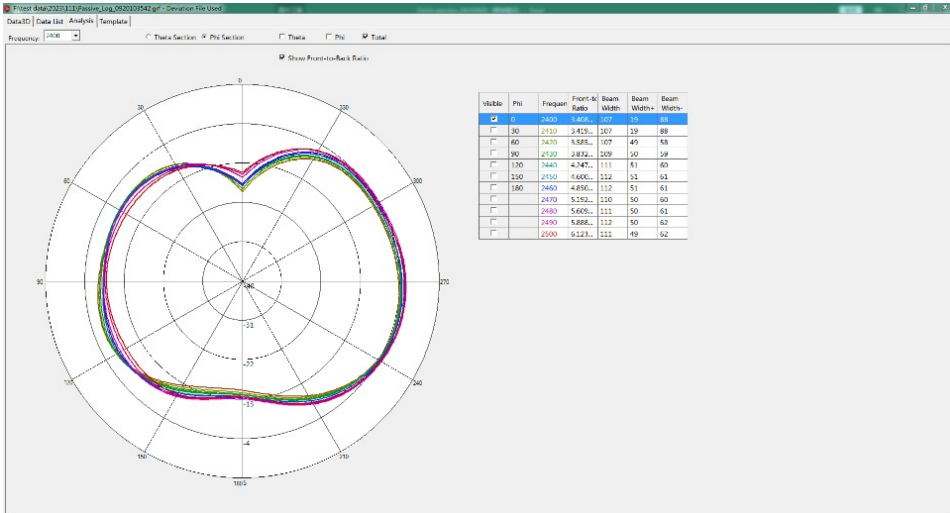
free space			
Frequency (MHz)	Efficiency(dB)	Efficiency	Max gain
2400	-6.4	23.0	1.2dBi
2410	-6.4	22.8	
2420	-6.5	22.6	
2430	-6.2	24.2	
2440	-6.1	24.3	
2450	-5.8	26.4	
2460	-5.6	27.8	
2470	-5.8	26.1	
2480	-6.0	25.1	
Average value	-6.08	24.70	



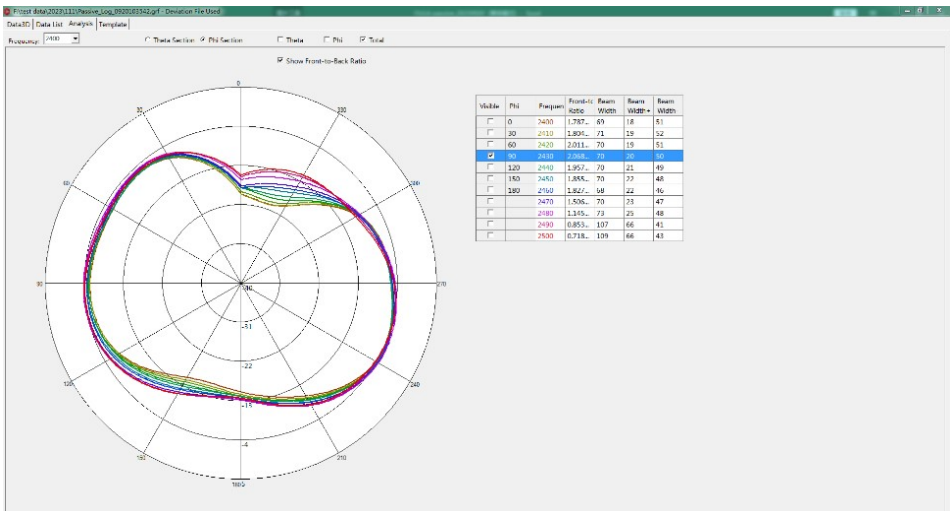
Antenna radiation pattern(free space): Theta=90°



Phi=0°

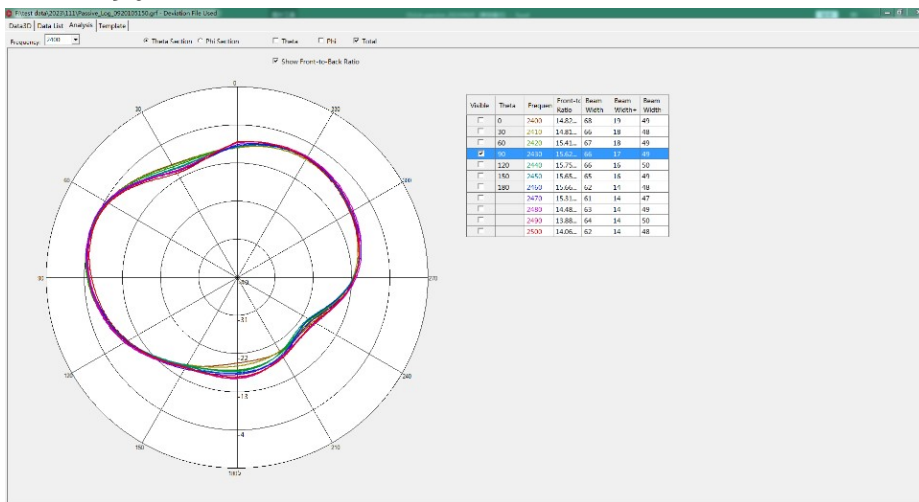


Phi=90°

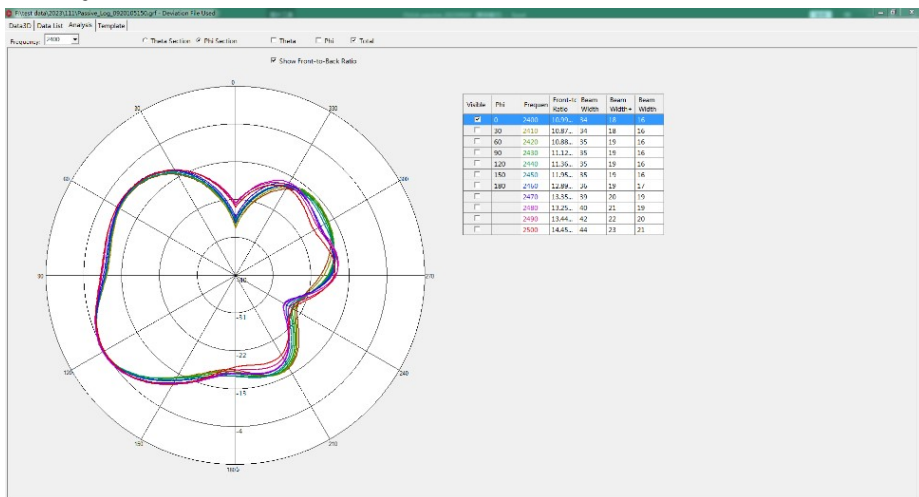




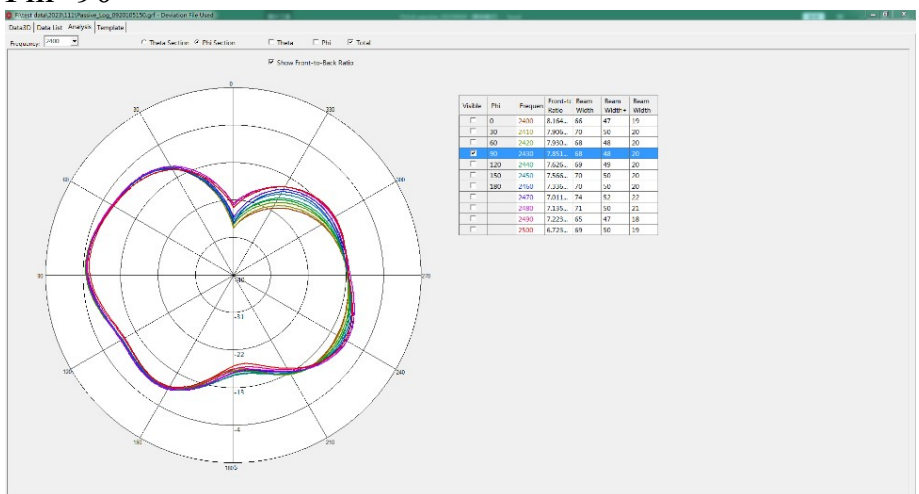
Antenna radiation pattern(headform): Theta=90°



Phi=0°

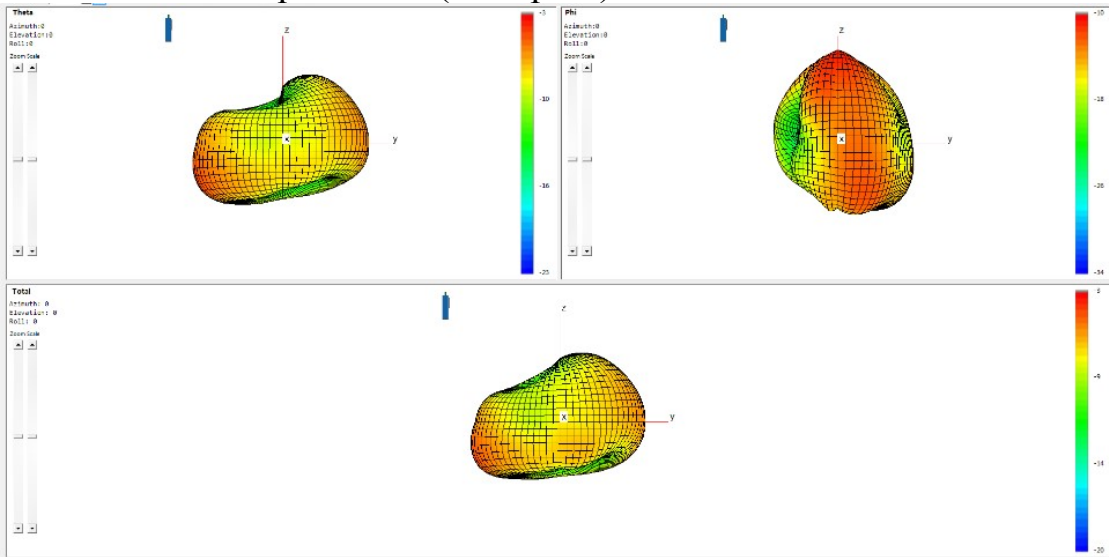


Phi=90°

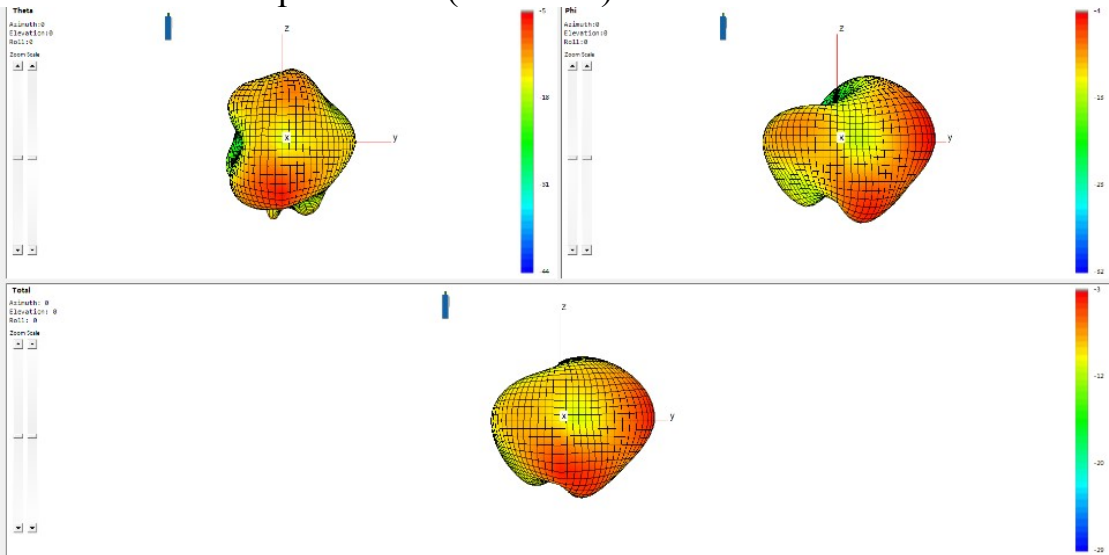




Antenna radiation pattern 3D(free space):



Antenna radiation pattern 3D (headform)





II: 3D Active test report of antenna

		headform		free space	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
L	CH 0	4.2	-87.9	11.2	-94.6
	CH 39	4.1	-88.2	11.0	-94.8
	CH 78	3.9	-88.0	10.1	-94.5



OTA Standard Chamber



V: Antenna photo

