



# 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

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# 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

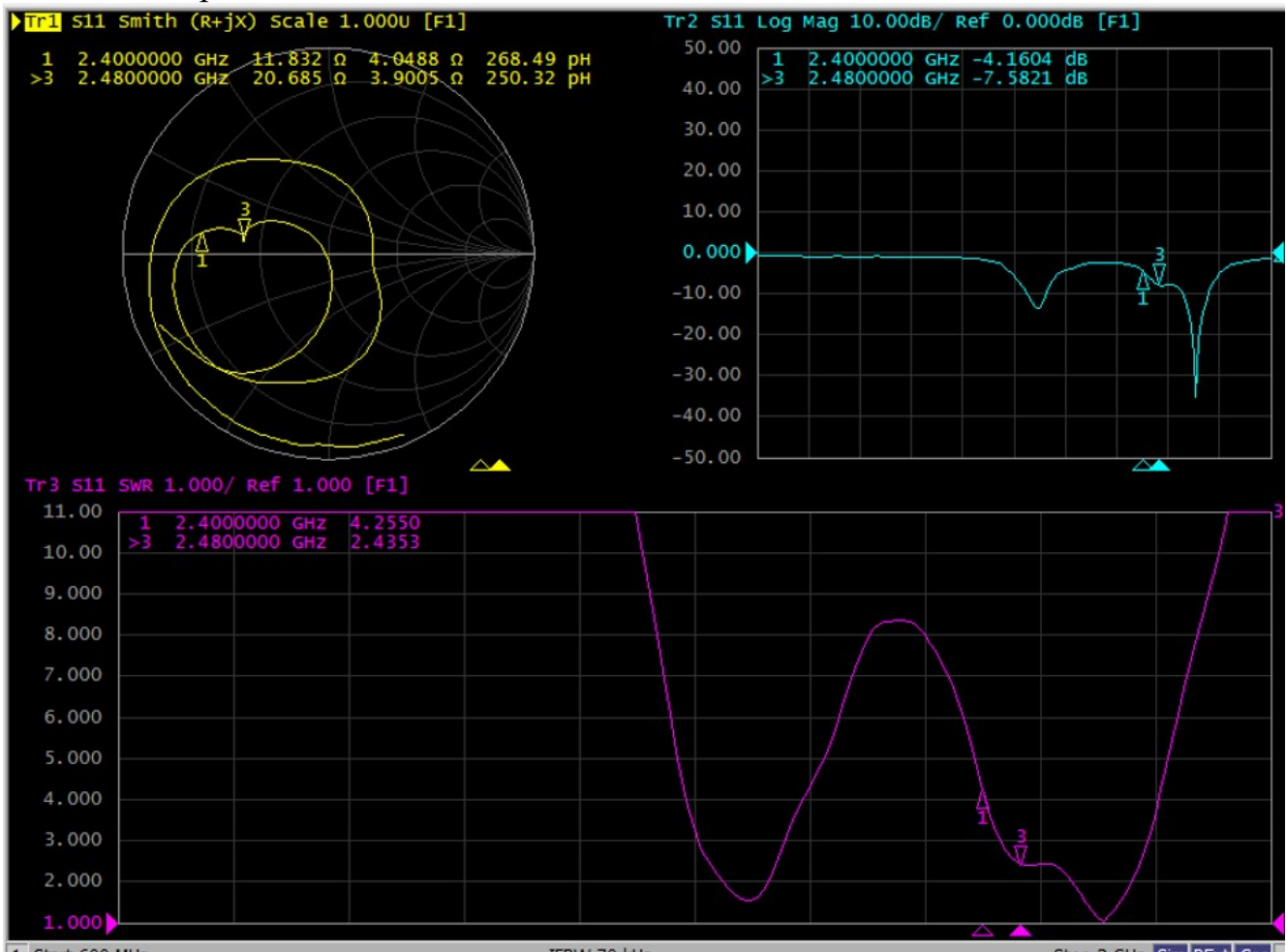


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation



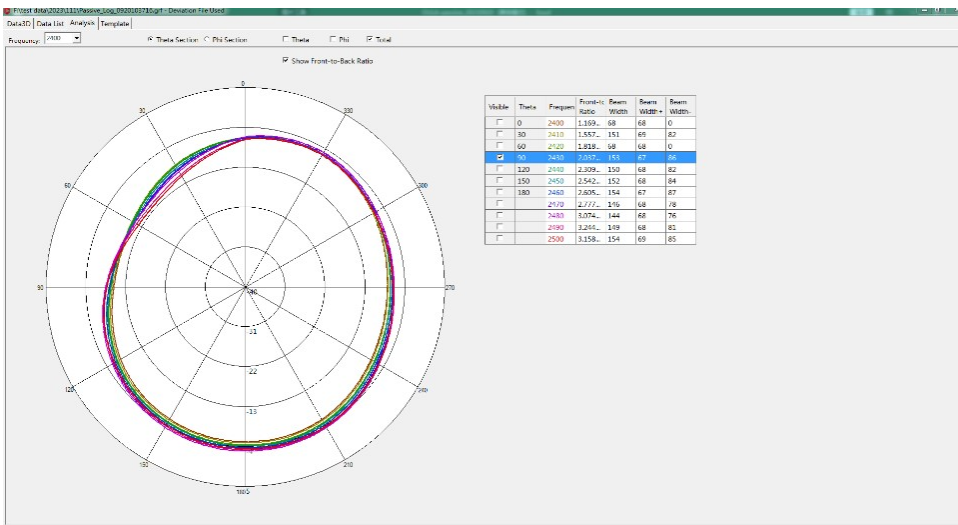


Efficiency:

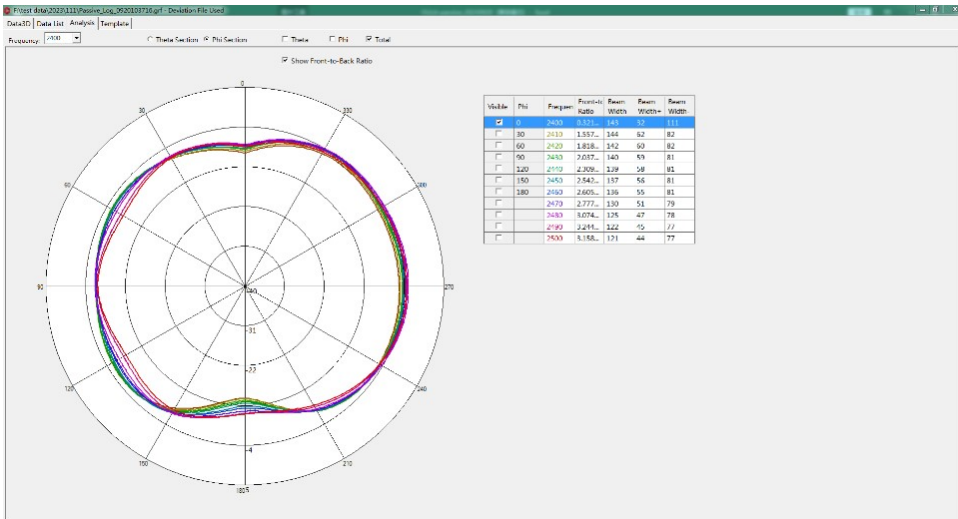
free space			
Frequency (MHz)	Efficiency(dB )	Efficiency	Max gain
2400	-6.3	23.2	1.2dBi
2410	-6.3	23.3	
2420	-6.3	23.2	
2430	-6.2	24.3	
2440	-6.2	23.8	
2450	-6.0	25.1	
2460	-5.9	25.4	
2470	-6.4	23.0	
2480	-6.7	21.6	
Average value	-6.26	23.66	



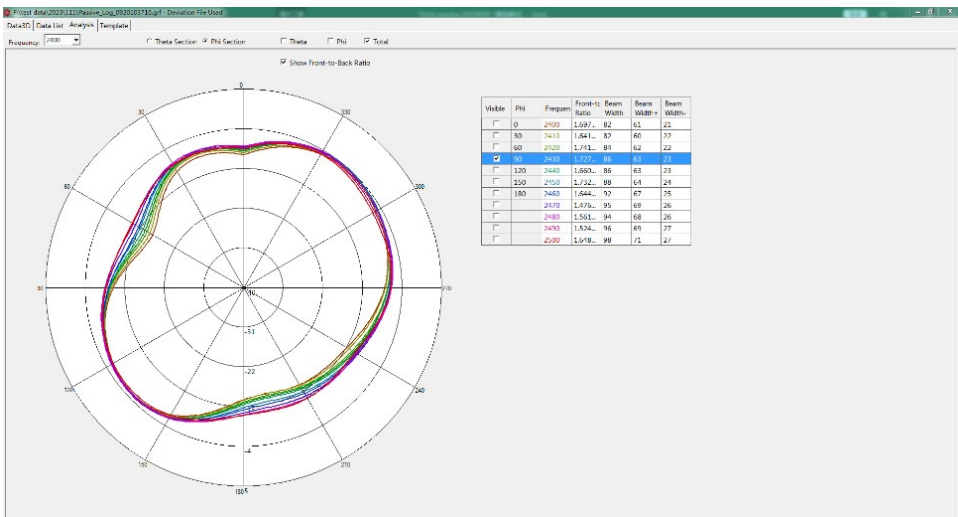
### Antenna radiation pattern (free space): Theta=90°



### Phi=0°

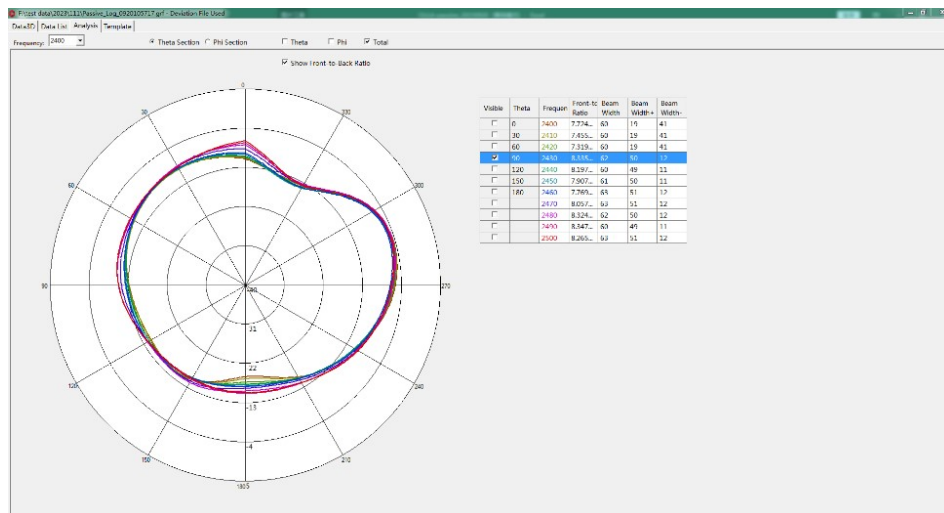


### Phi=90°

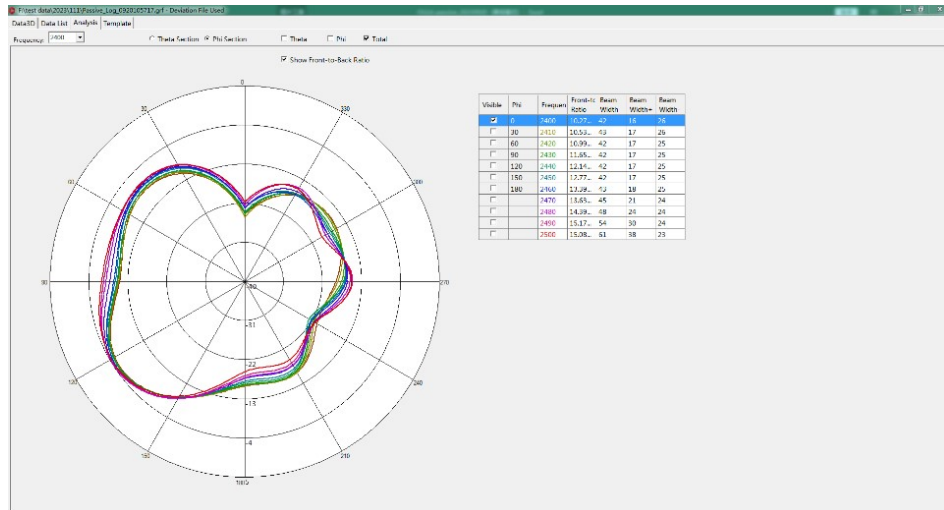




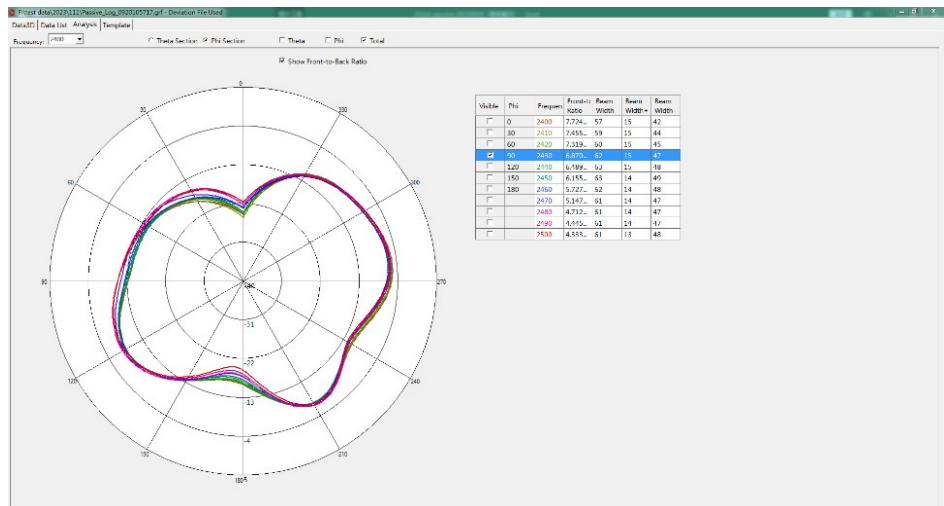
### Antenna radiation pattern(headform): Theta=90°



### Phi=0°

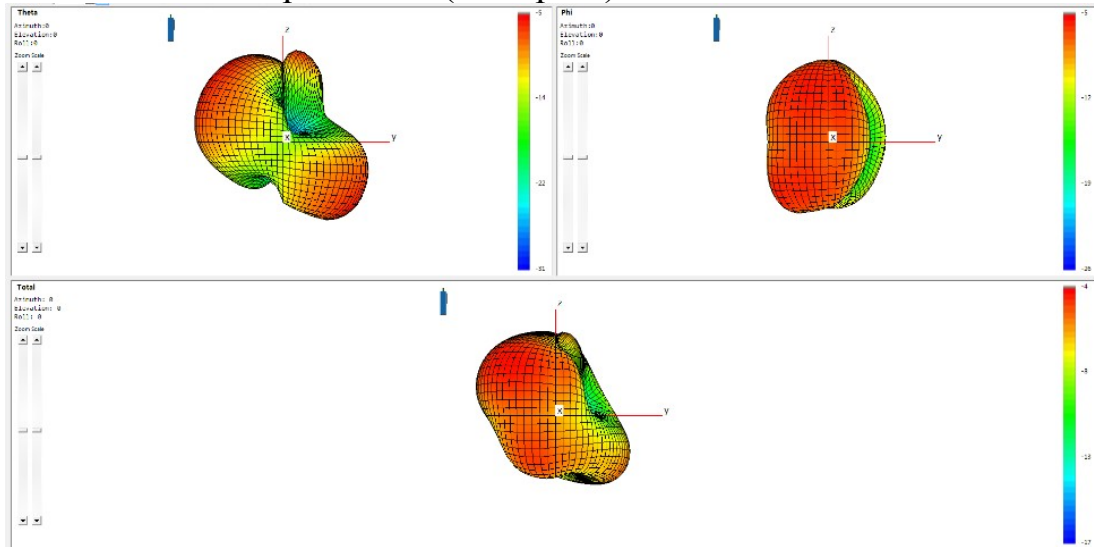


### Phi=90°

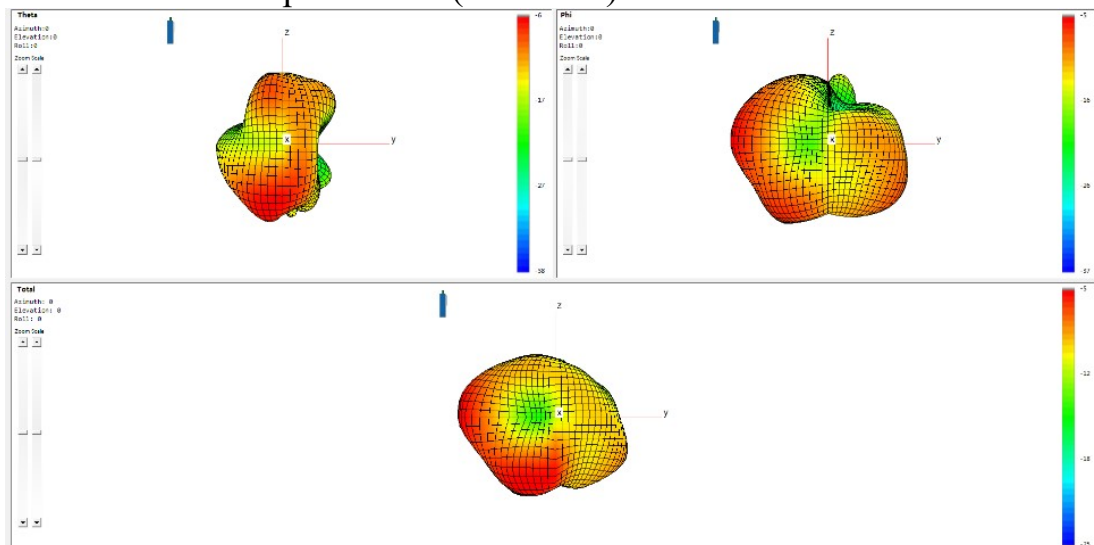




### Antenna radiation pattern 3D(free space):



### Antenna radiation pattern 3D (headform)

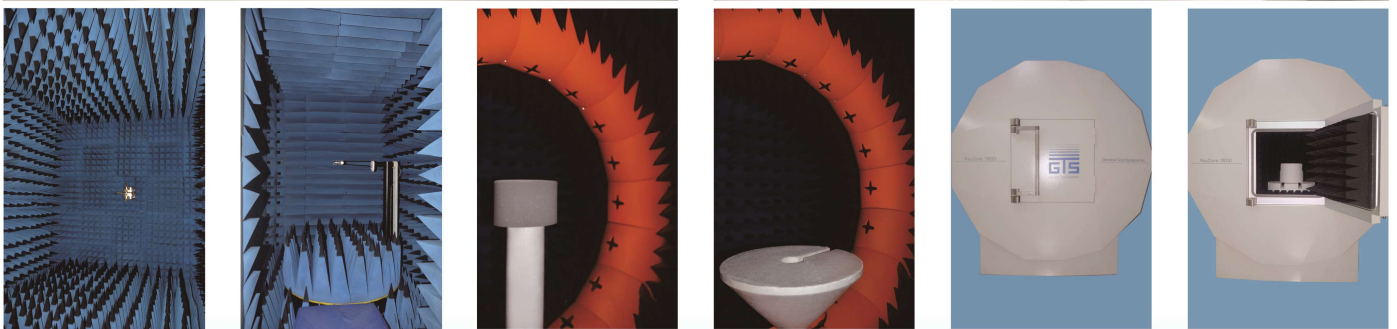






II: 3D Active test report of antenna

		headform		free space	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	4.4	-88.1	11.2	-94.1
	CH 39	4.5	-88.2	11.5	-94.6
	CH 78	4.3	-87.9	11.7	-94.0



OTA Standard Chamber





V: Antenna photo

