

# Antenna Part Specification

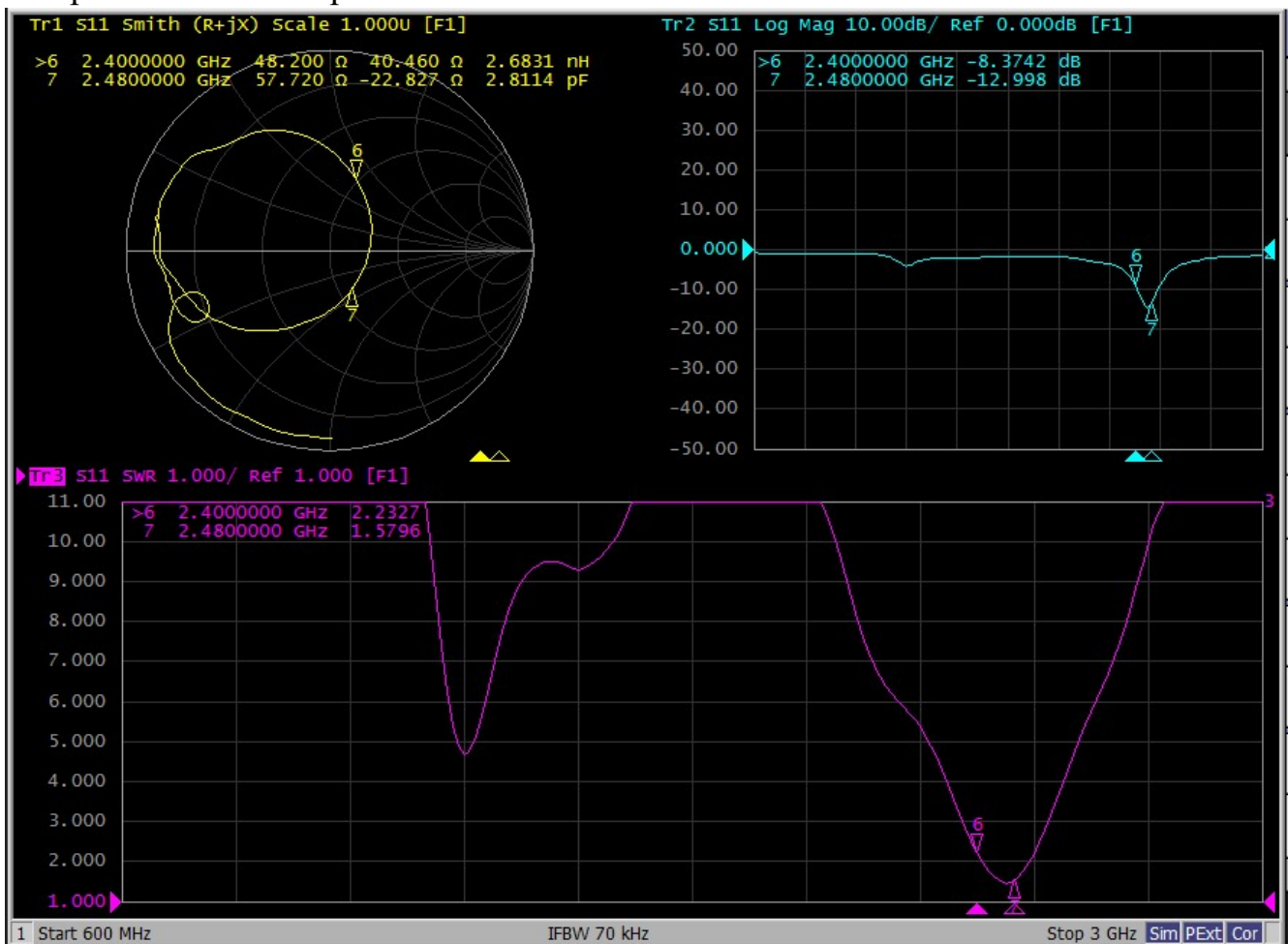
Model:	ATW1 BT ANTENNA-R/L
Manufacturer:	Shenzhen CICENT Communication Technology CO.,Ltd.
Address:	505-506, Block A, Donglian Building, Chuangye 2 road, Baoan District, Shenzhen, China
Version Date:	V4.0 2023.08.01

I: The report of passive data

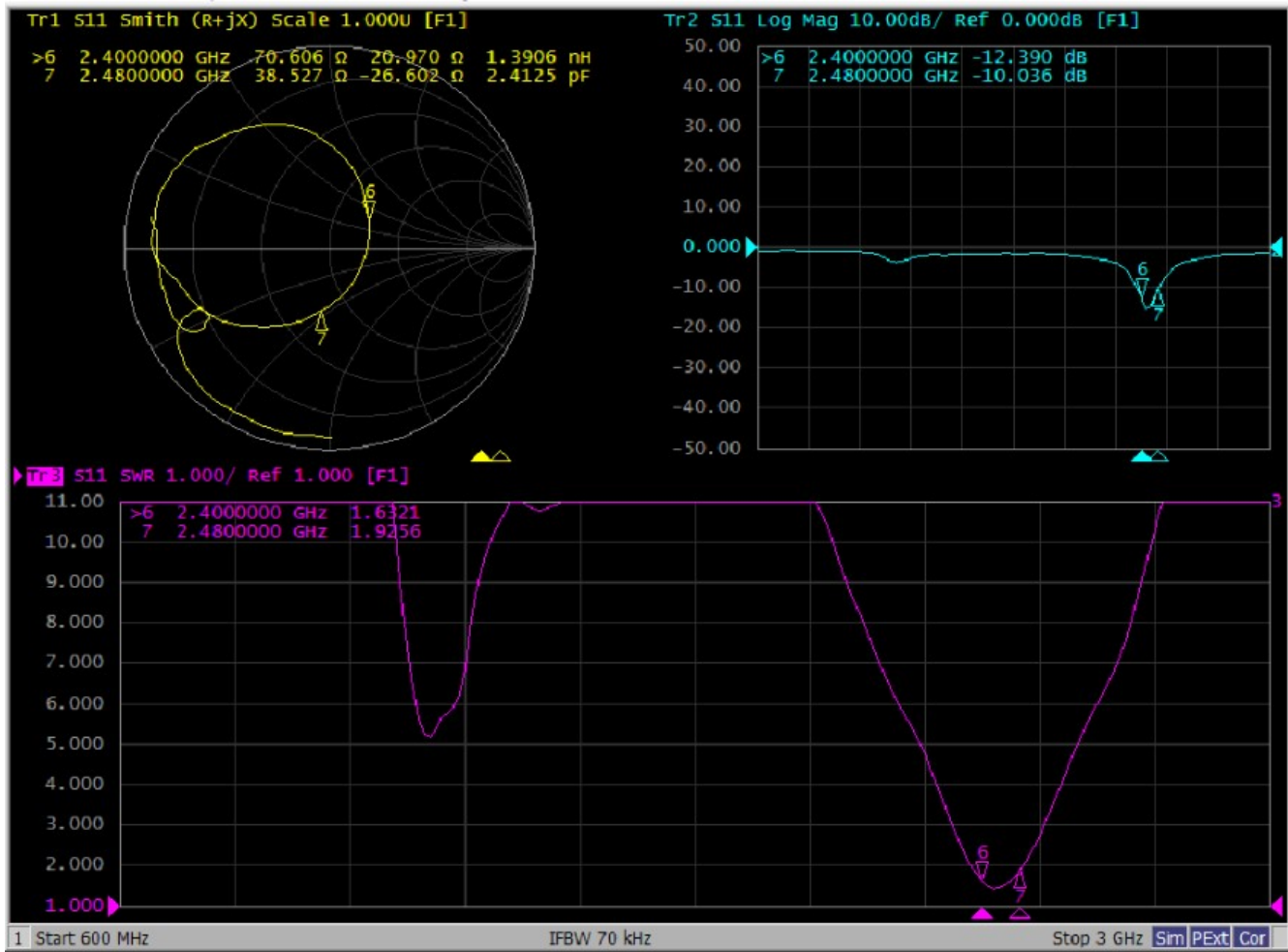


Angilent E5071C

S11 parameter (free space L) :



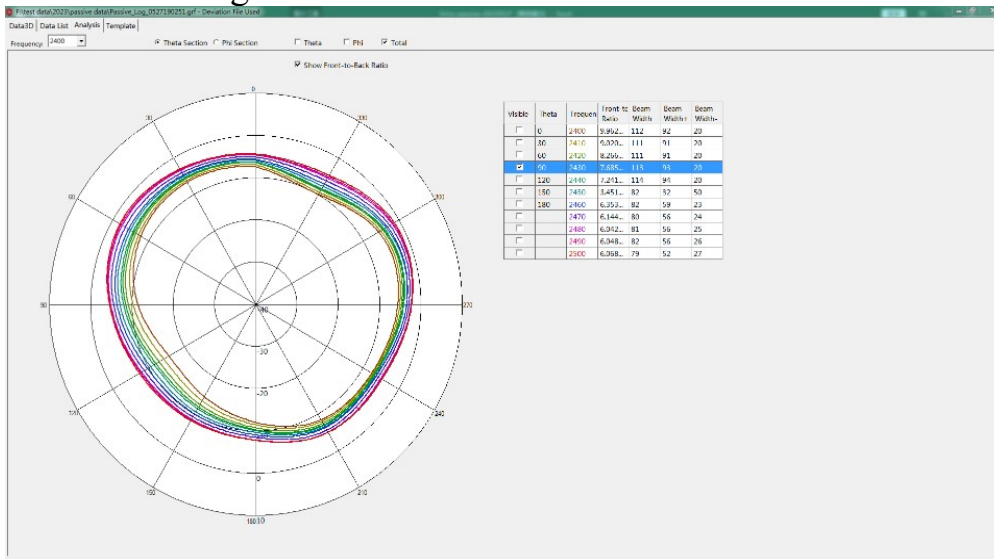
S11 parameter (headform L) :



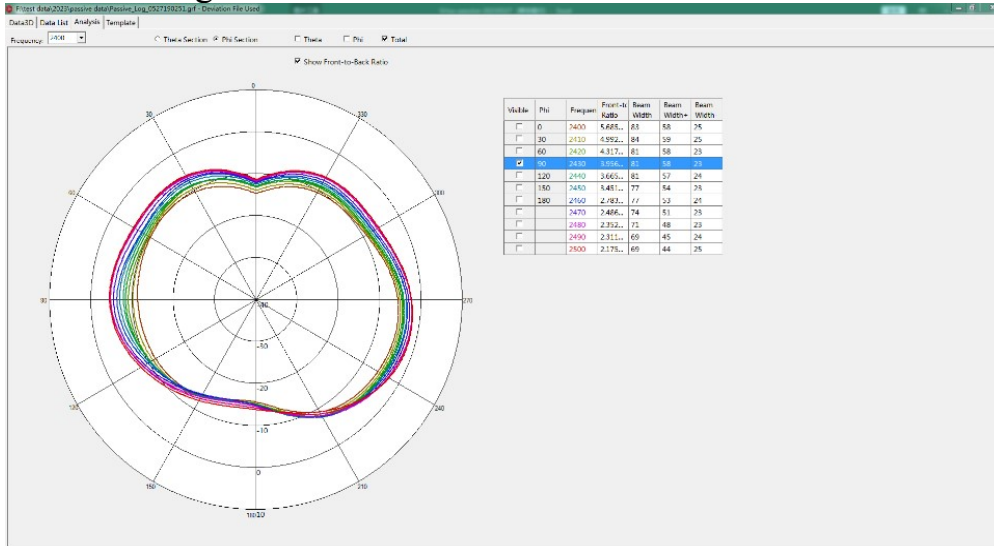
Efficiency:

L			
Frequency (MHz)	Efficiency	Efficiency (dB)	Max gain:
2402	17.8	-7.4	0.4dBi
2410	18.9	-7.2	
2420	19.7	-7.1	
2430	21.7	-6.6	
2440	22.8	-6.4	
2450	25.5	-5.9	
2460	28.6	-5.4	
2470	28.9	-5.4	
2480	29.8	-5.3	
Average value	23.7	-6.3	

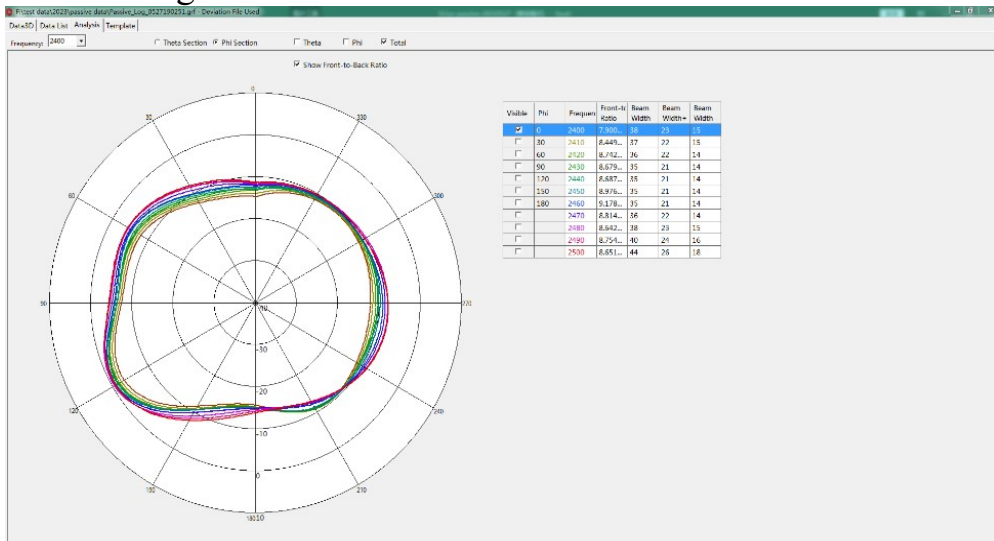
# Antenna radiation pattern: Theta=90.00deg



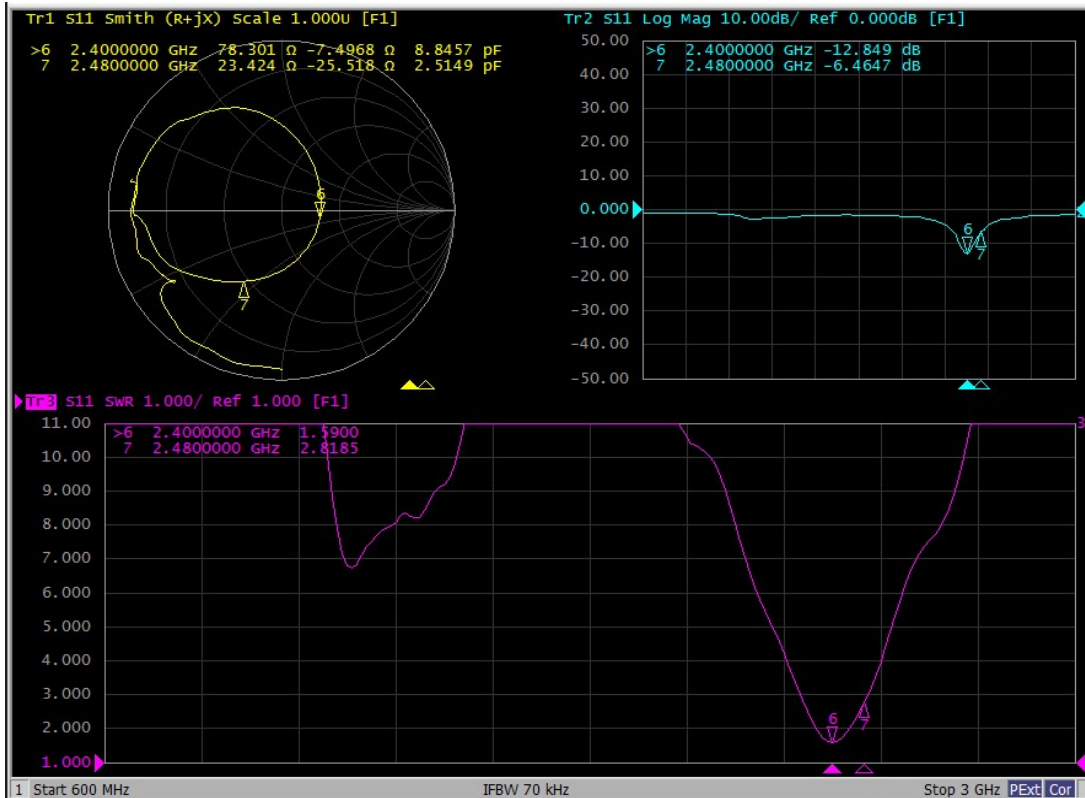
# Phi=90.00deg



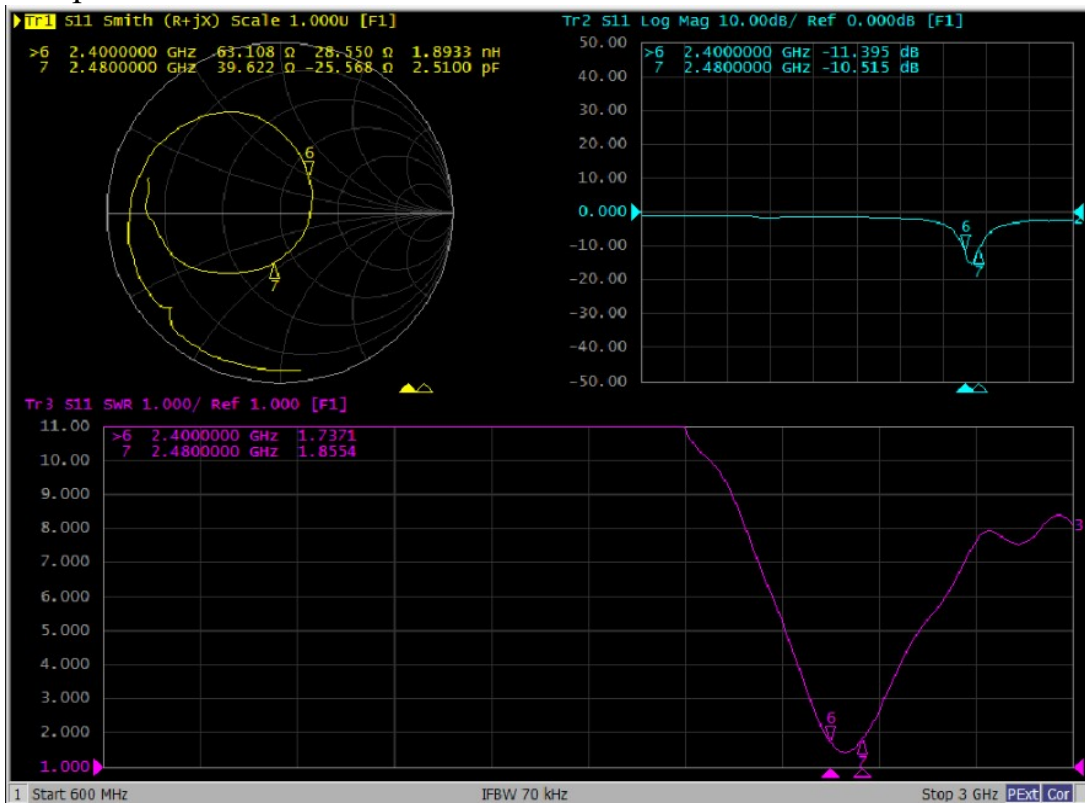
# Phi=0.00deg



### S11 parameter (free space R) :



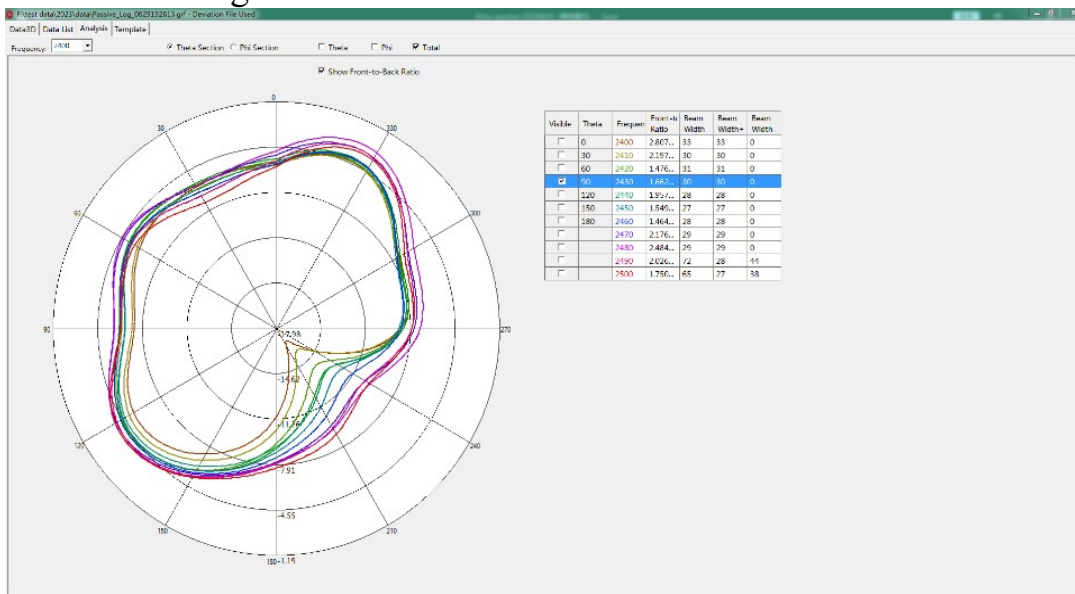
### S11 parameter (headform R) :



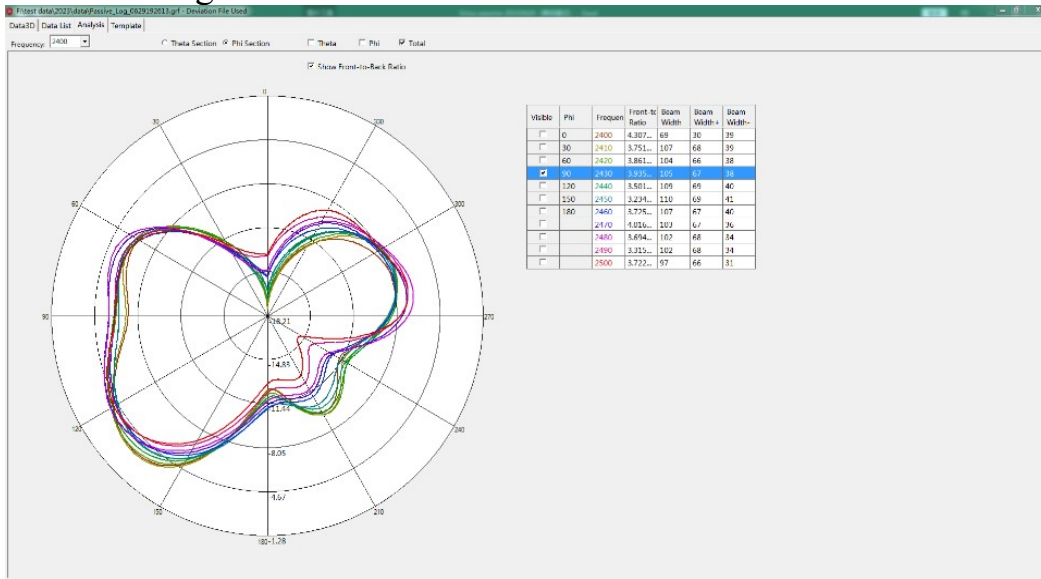
## Efficiency:

R			
Frequency (MHz)	Efficiency	Efficiency (dB)	Max gain:
2402	19.9	-6.9	-1.3dBi
2410	19.8	-7.0	
2420	18.7	-7.3	
2430	18.6	-7.3	
2440	18.3	-7.4	
2450	19.9	-7.0	
2460	20.6	-6.9	
2470	18.7	-7.3	
2480	18.2	-7.4	
Average value	19.2	-7.2	

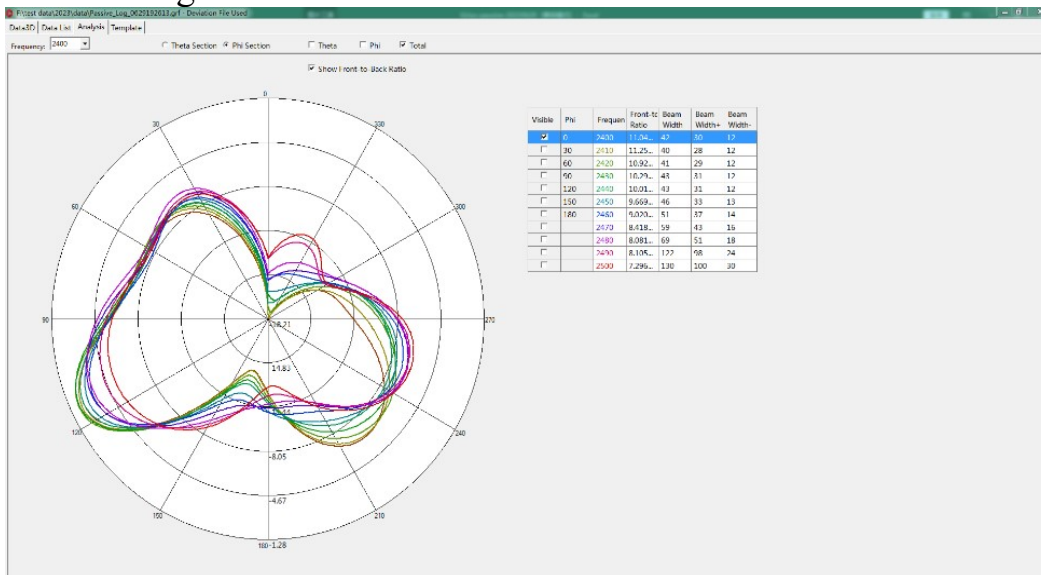
## Antenna radiation pattern: Theta=90.00deg



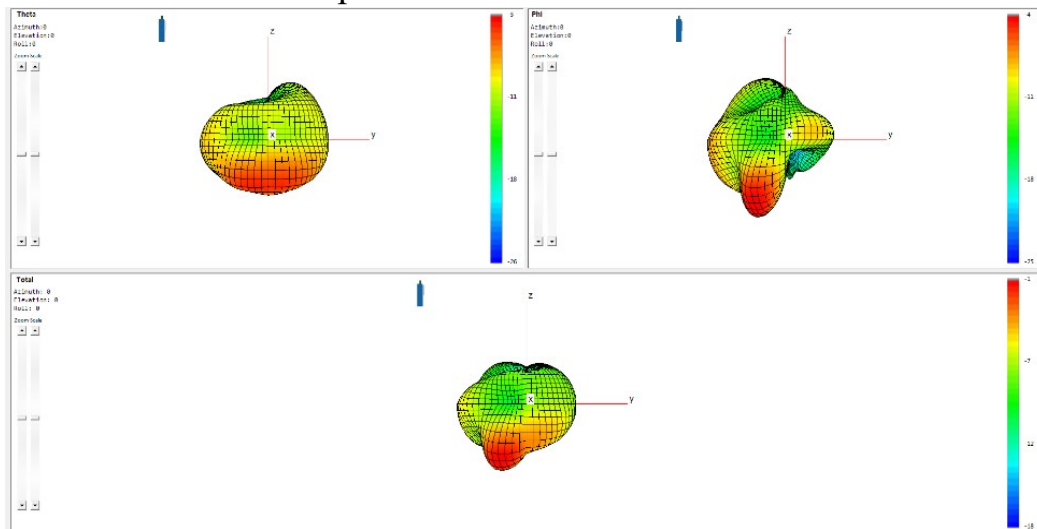
# Phi=90.00deg



# Phi=0.00deg



### 3D Antenna radiation pattern (L) :



### 3D Antenna radiation pattern (R) :

