



Antenna Part Specification

Project name:	BTE-671
Material category:	BT antenna
Version:	V4.0
Date:	2023.06.20



Contents

I: The report of passive data 3
II: 3D Active test report of antenna..... 6
III: Matching circuit 6
IV: Structure file..... 7

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

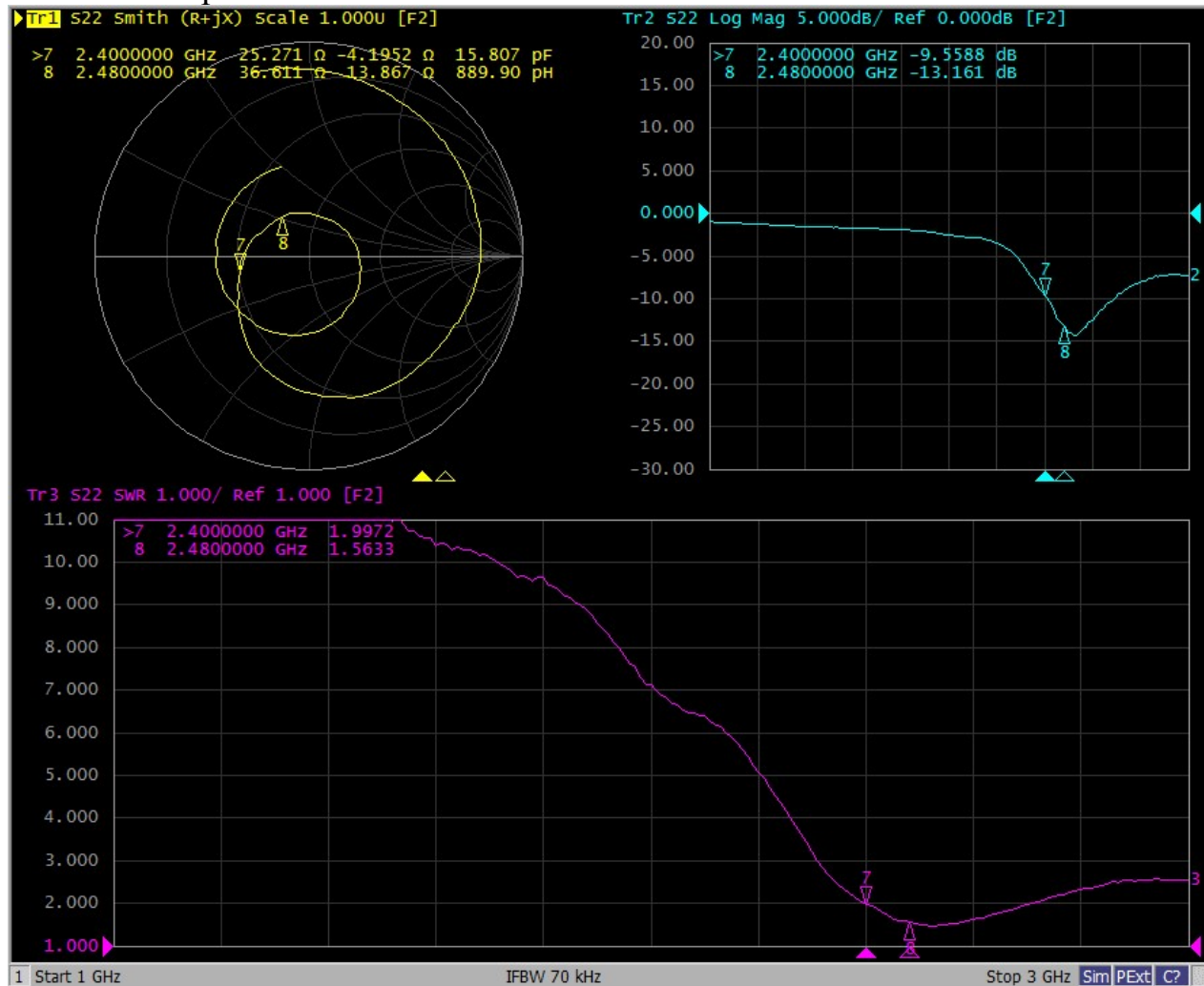


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation

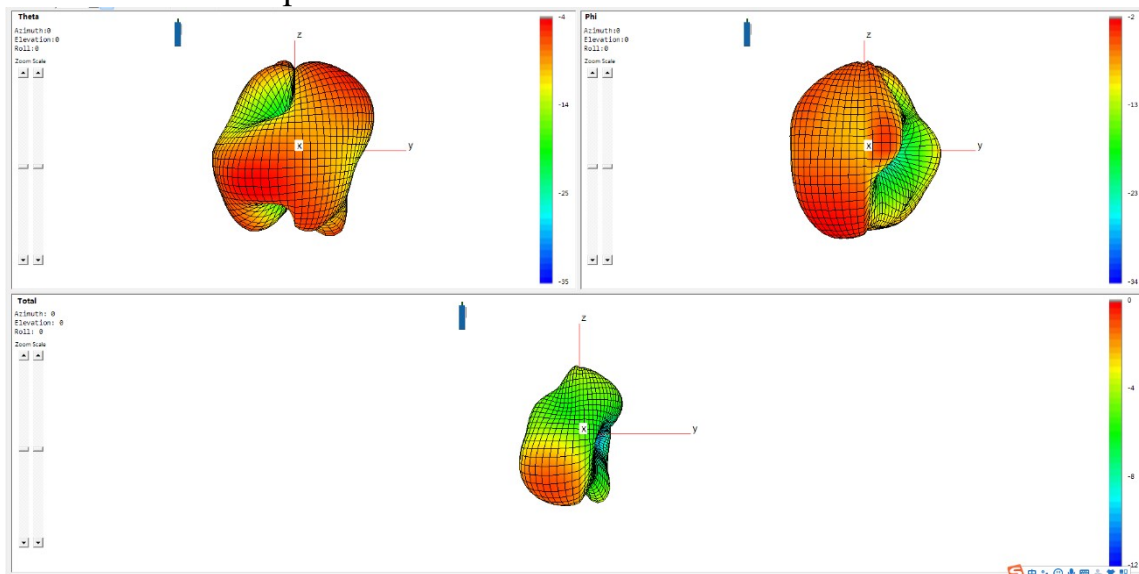




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	27%	-5.7	-0.4
2410	27%	-5.7	-0.4
2420	27%	-5.6	-0.4
2430	29%	-5.3	-0.2
2440	30%	-5.3	-0.3
2450	30%	-5.3	0.0
2460	31%	-5.1	0.0
2470	30%	-5.2	-0.2
2480	30%	-5.2	-0.3
Average value	29%	-5.4	-0.2

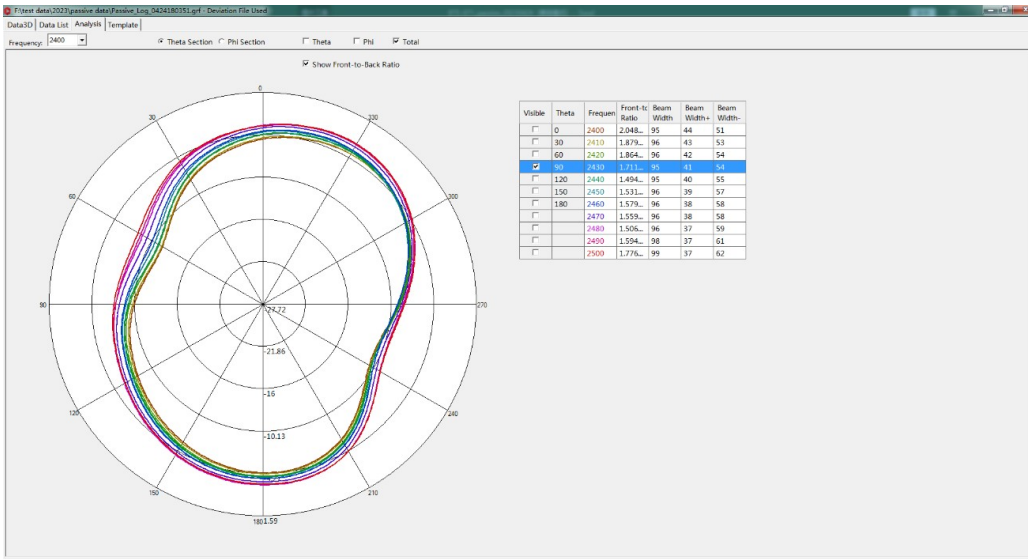
Antenna radiation pattern 3D :



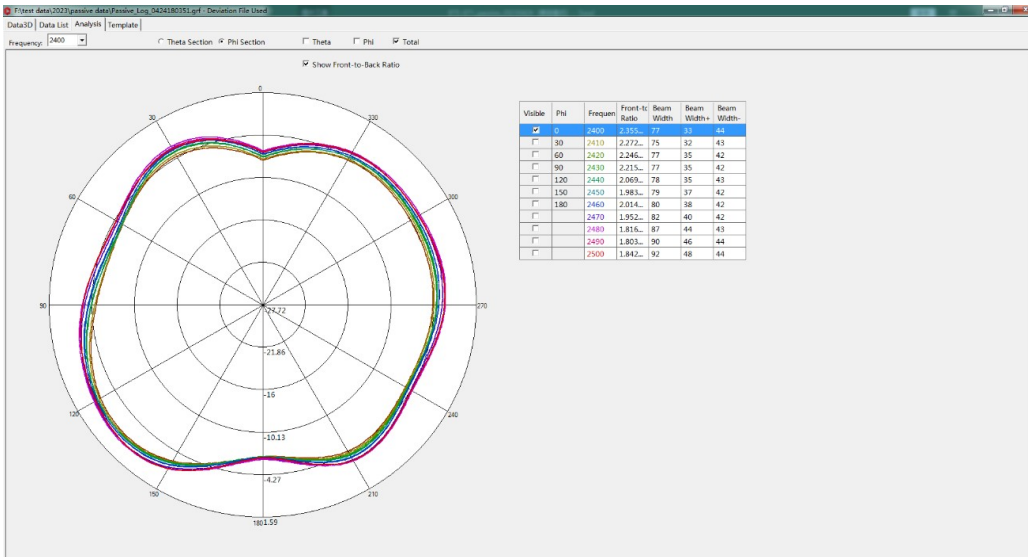


Antenna radiation pattern:

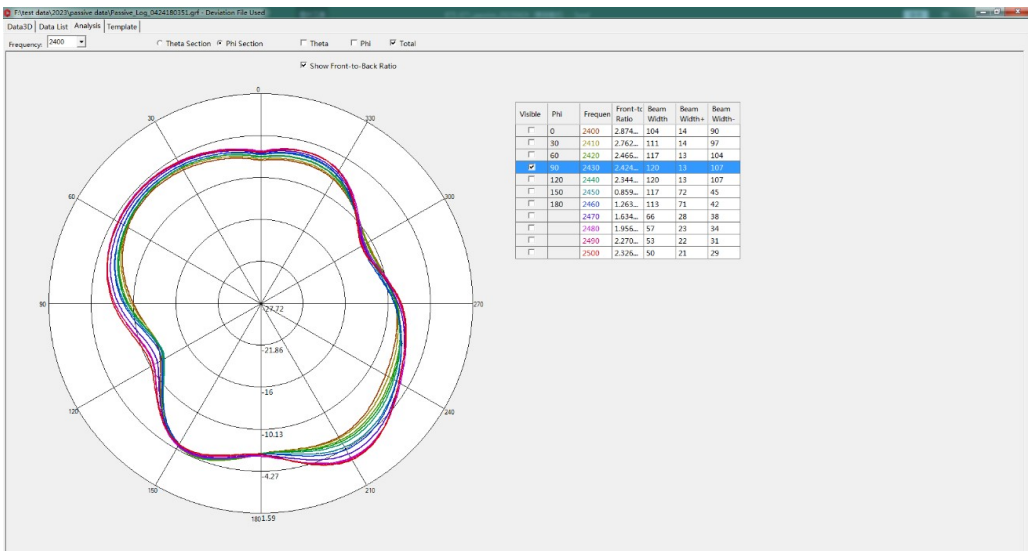
Theta=90°



Phi=0°



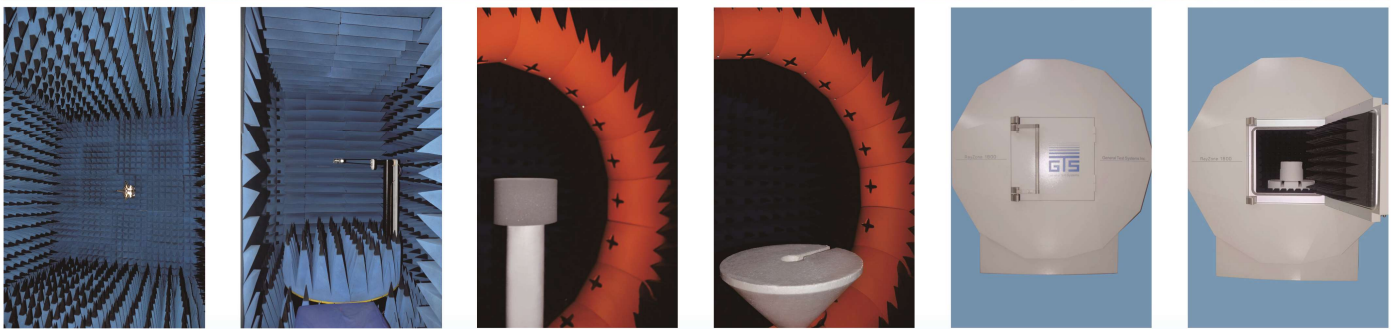
Phi=90°





II: 3D Active test report of antenna

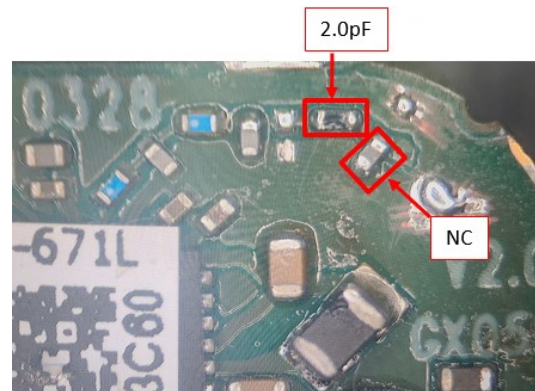
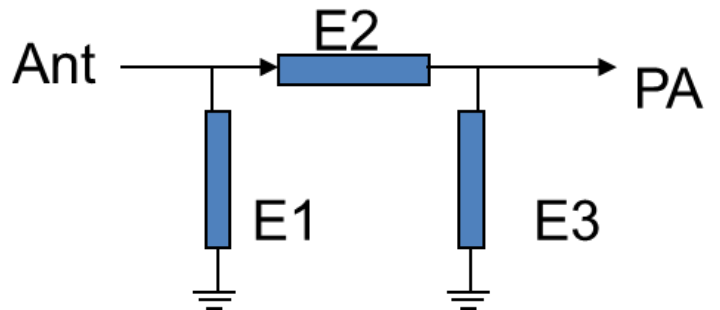
		free space		headform	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
L	CH 0	6.7	-85.0	1.3	-80.5
	CH 39	7.1	-85.1	1.1	-80.4
	CH 78	7.3	-85.3	1.0	-80.3



OTA Standard Chamber

III: Matching circuit

Element	Value
E1	NC
E2	2.0pF
E3	NC





IV: Structure file

