



Antenna Part Specification

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



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

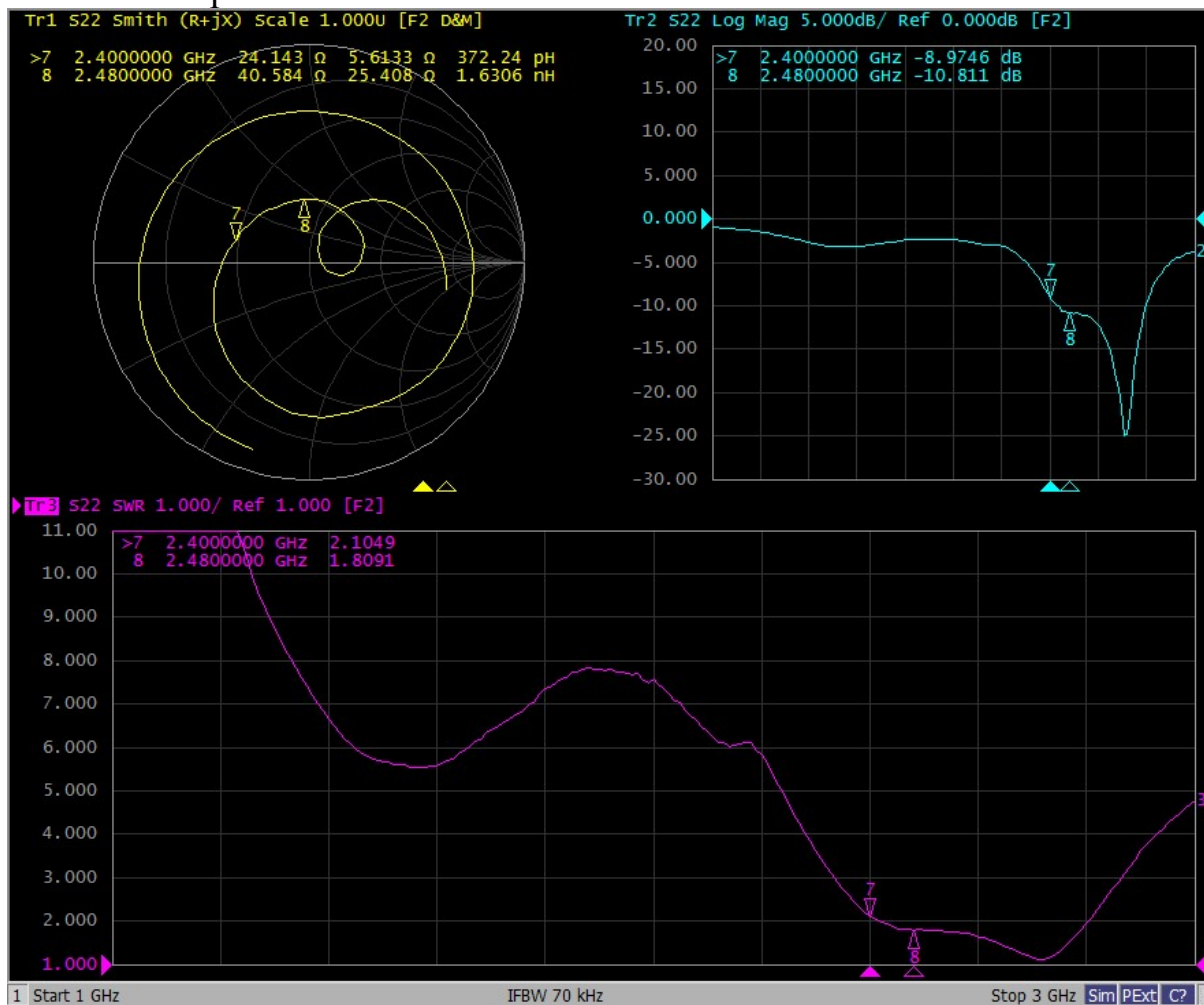


I: The report of passive data



Angilent E5071C

Antenna S11 parameter test situation

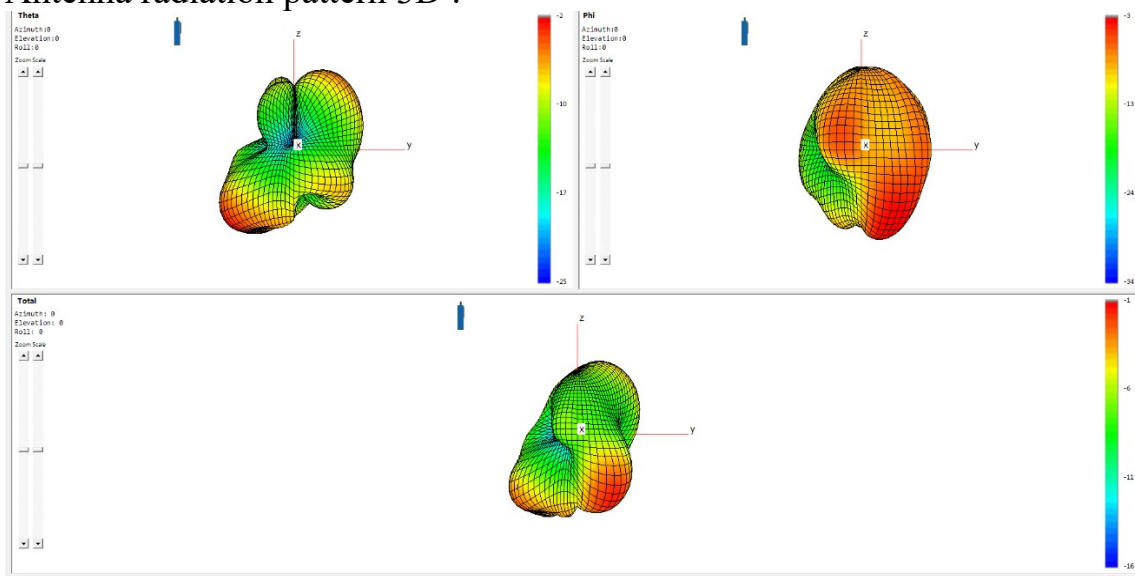




Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	26%	-5.9	-1.8
2410	25%	-6.0	-2.0
2420	25%	-6.1	-2.1
2430	26%	-5.9	-2.0
2440	25%	-6.0	-2.1
2450	27%	-5.7	-1.9
2460	28%	-5.5	-1.8
2470	28%	-5.6	-2.0
2480	28%	-5.6	-2.1
Average value	26%	-5.8	-2.0

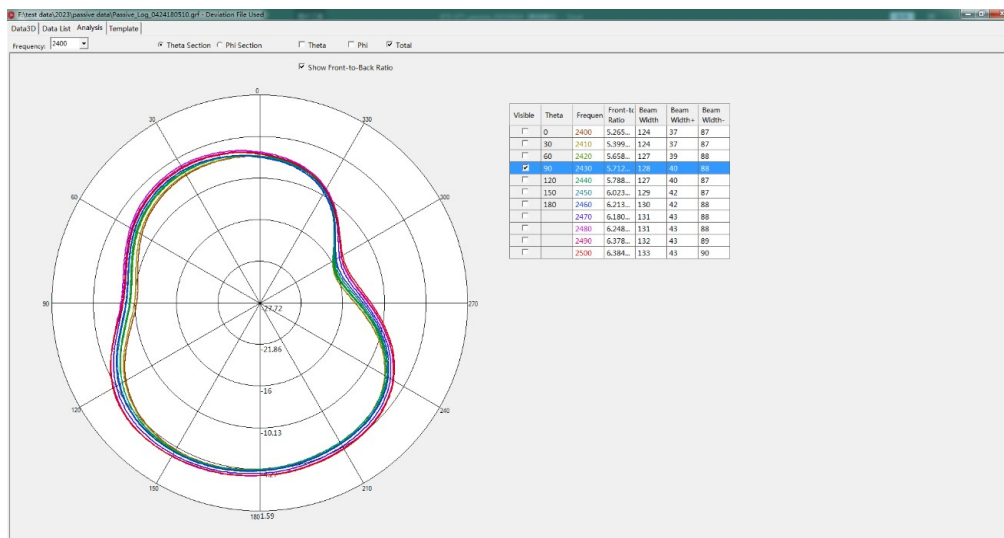
Antenna radiation pattern 3D :



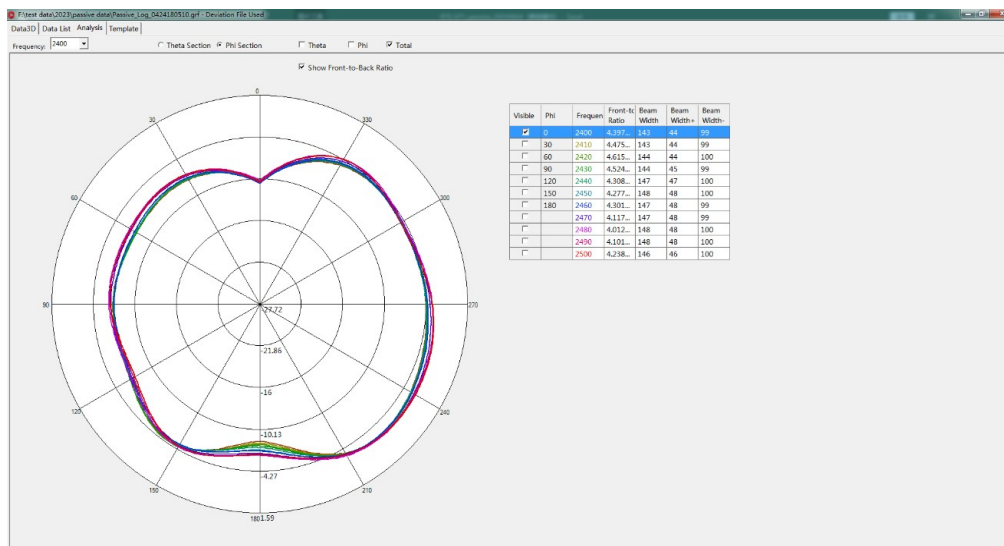


Antenna radiation pattern:

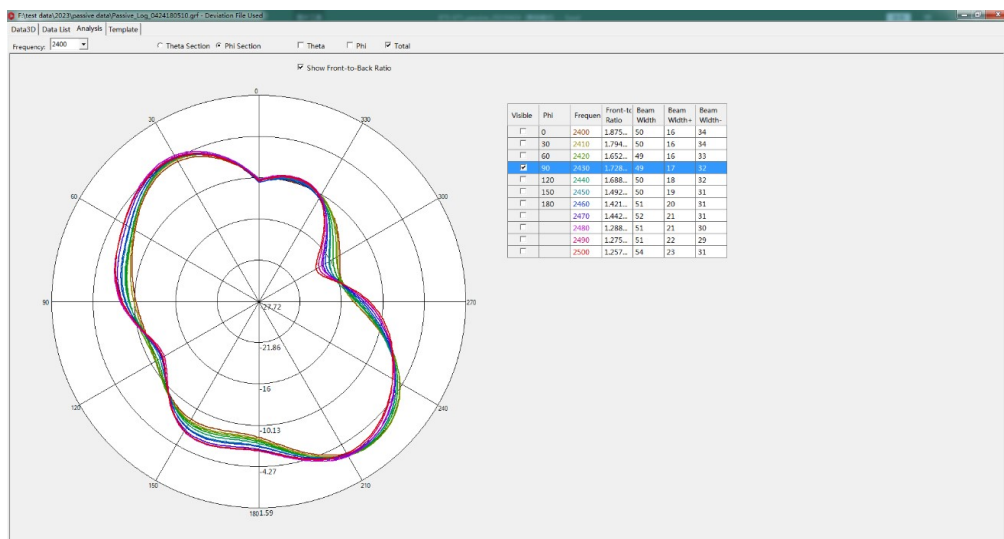
Theta=90°



Phi=0°



Phi=90°





II: 3D Active test report of antenna

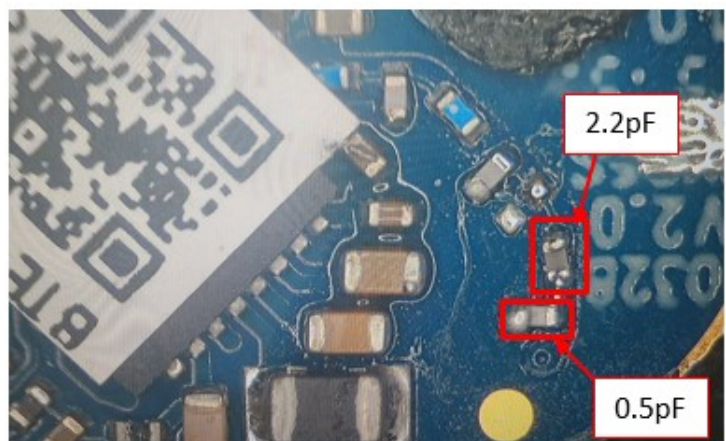
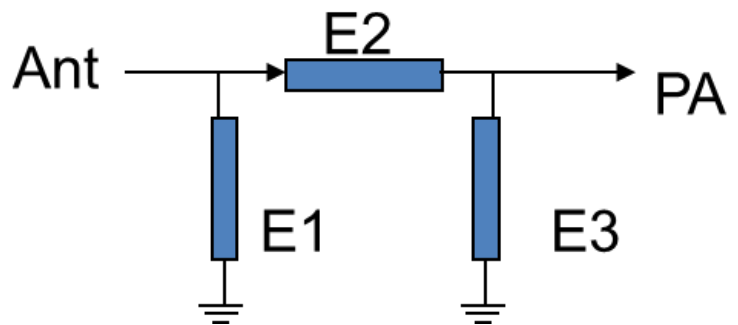
		free space		headform	
	Channel	TRP (dBm)	TIS (dBm)	TRP (dBm)	TIS (dBm)
R	CH 0	6.8	-85.7	1.4	-81.0
	CH 39	7.0	-86.6	0.7	-80.7
	CH 78	6.6	-86.7	0.4	-80.3



OTA Standard Chamber

III: Matching circuit

Element	Value
E1	0.5pF
E2	2.2pF
E3	NC



IV: Structure file

