



Antenna Part Specification

Project name:	801(lanxun)
Material category:	BT antenna
Version:	V1.0
Date:	2023.01.10



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Change record			
Compile / change date	Reason for change	Changed content	Version
2023.01.10	First edition	First edition	V1.0

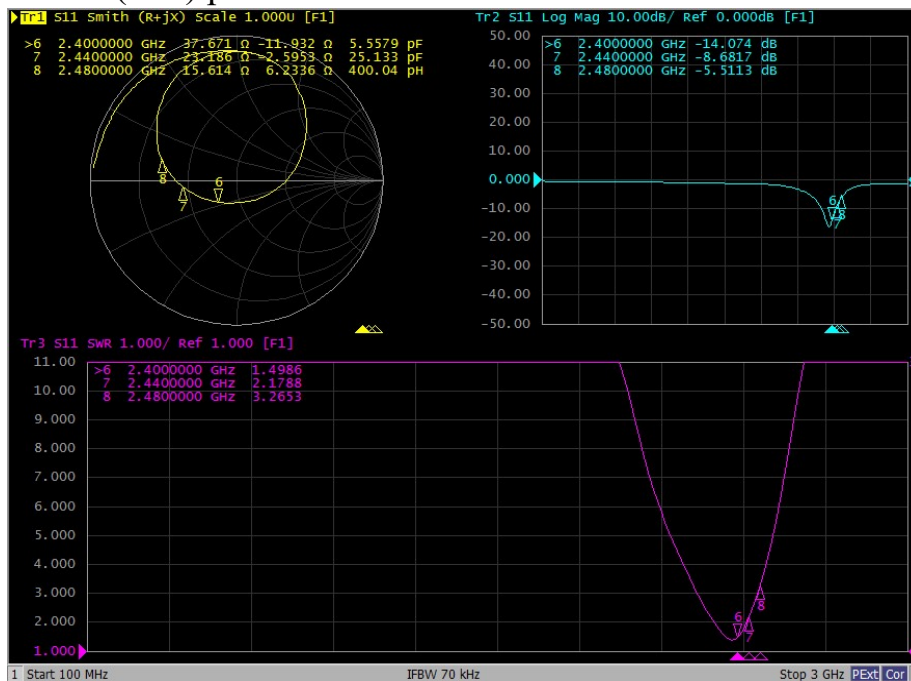


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter (L) :



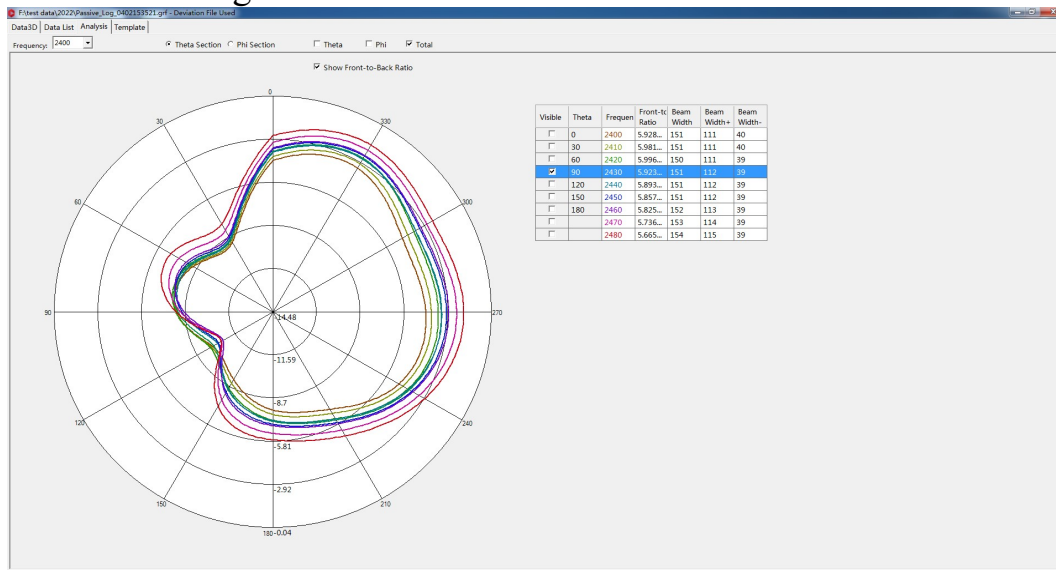
Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	24.4%	-6.1	-2.57
2410	26.3%	-5.8	-2.14
2420	28.0%	-5.5	-1.83
2430	28.5%	-5.5	-1.64
2440	28.5%	-5.5	-1.54
2450	30.0%	-5.2	-1.26
2460	30.2%	-5.2	-1.19
2470	32.8%	-4.8	-0.81
2480	35.3%	-4.5	-0.49
Average value	29.3%	-5.4	-1.50

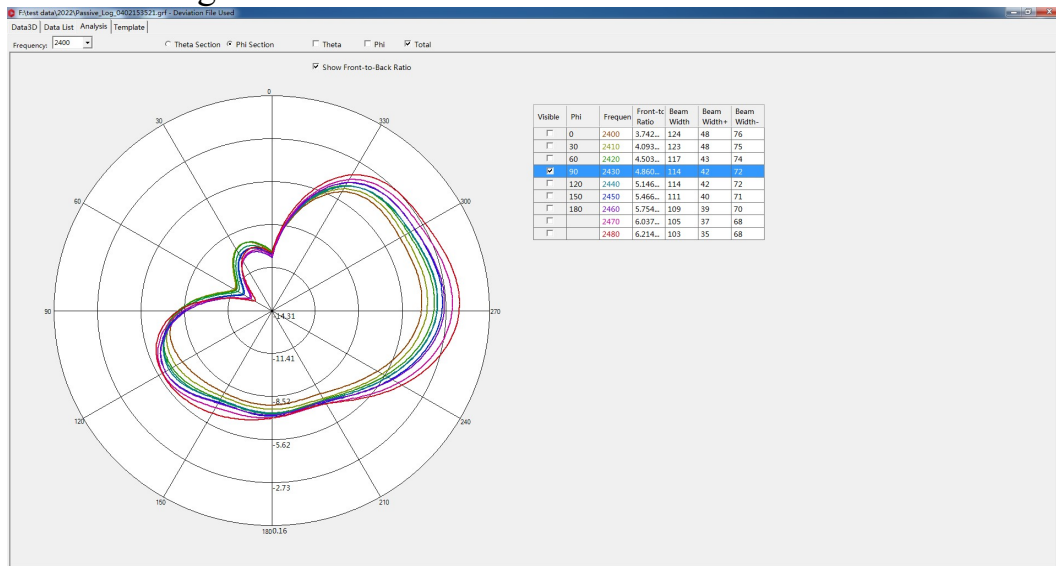


Antenna radiation pattern:

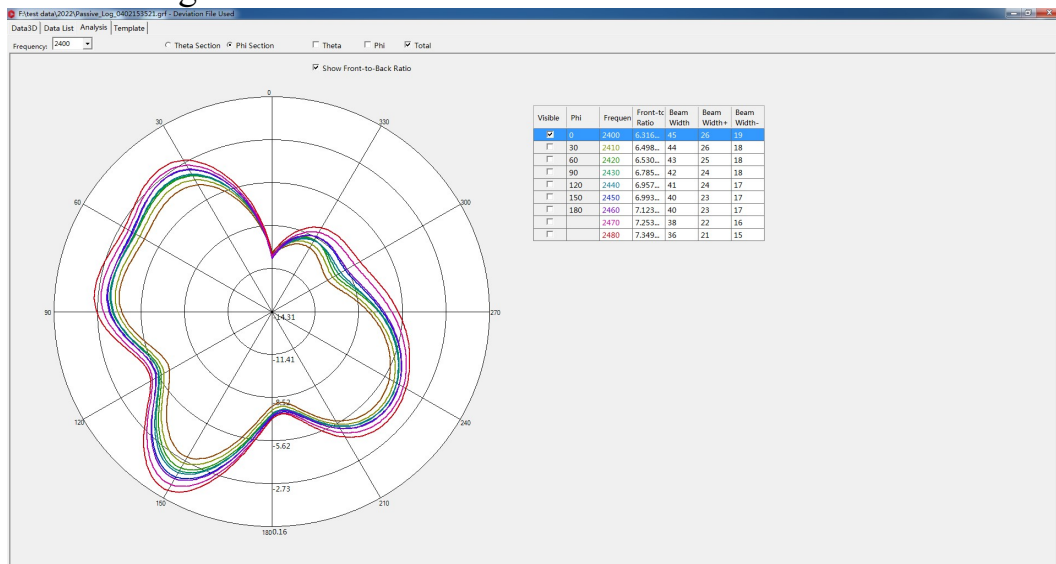
Theta=90.00deg



Phi=90.00deg

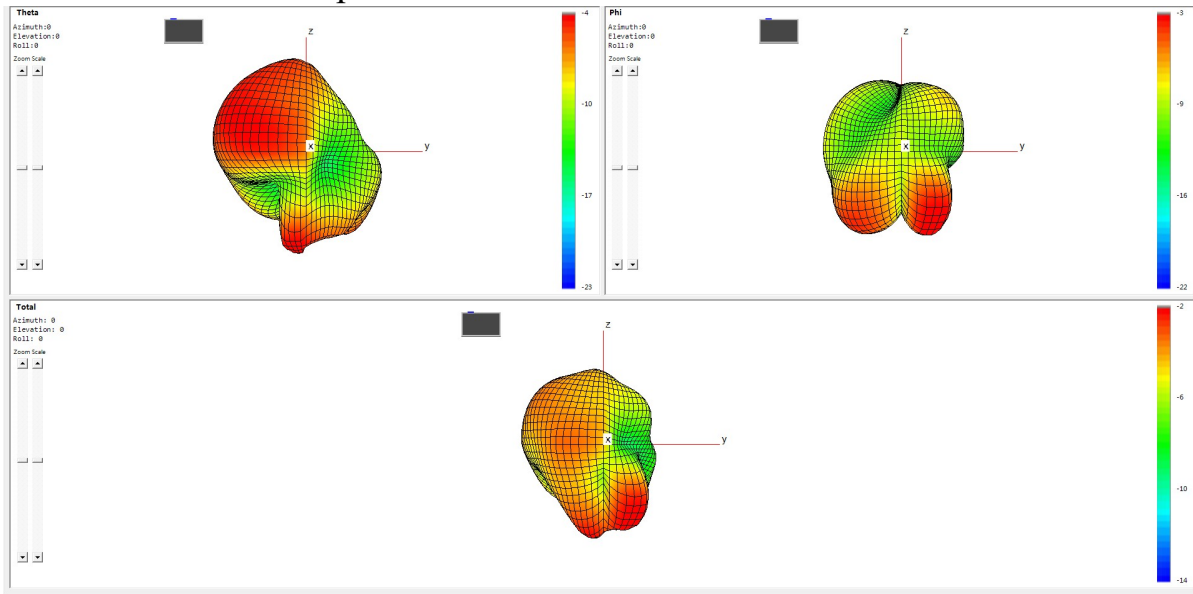


Phi=0.00deg





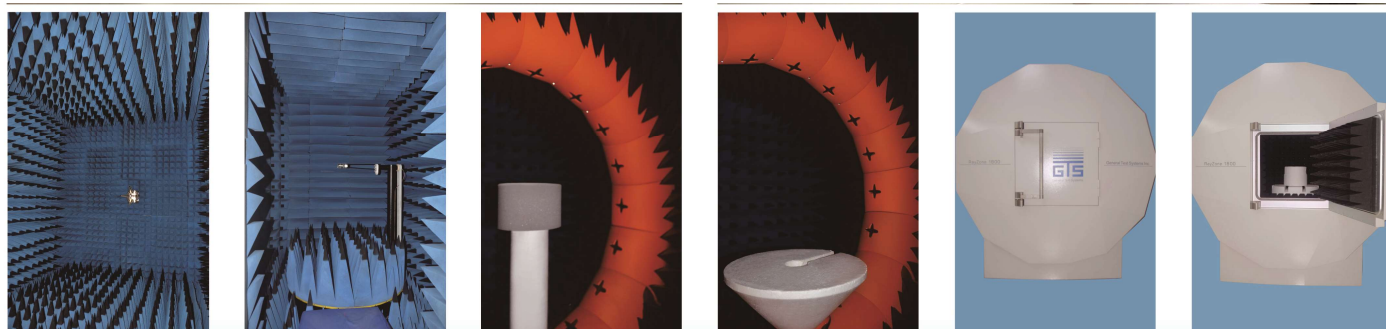
3D Antenna radiation pattern:





II: 3D Active test report of antenna

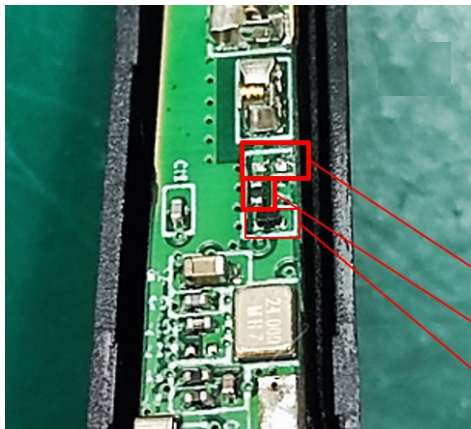
	Channel	TRP (dBm)	TIS (dBm)
BT	CH 0	2.1	-86.1
	CH 39	2.7	-87.2
	CH 78	3.1	-87.3



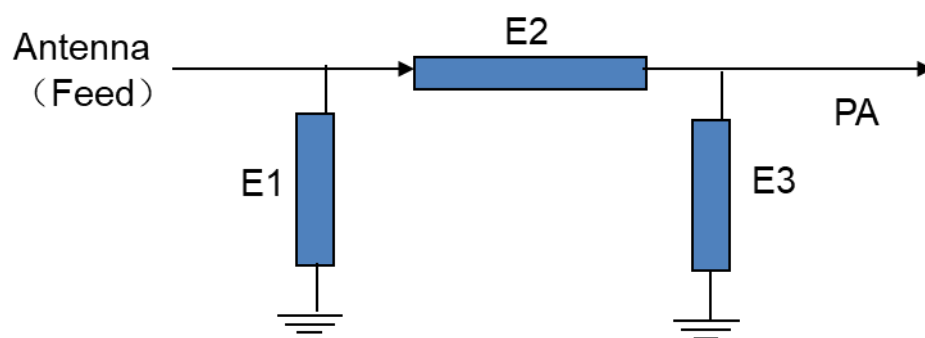
OTA Standard Chamber



III: Matching circuit



Element	Value
E1(0201)	N/A
E2(0201)	0Ω
E3(0201)	reserve





IV: Structure file

