



Antenna Part Approved Sheet

Customer name:	Tianheng
Project name:	Oval Tag
Material category:	BT antenna
Version:	V1.0
Date:	2022.12.15



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

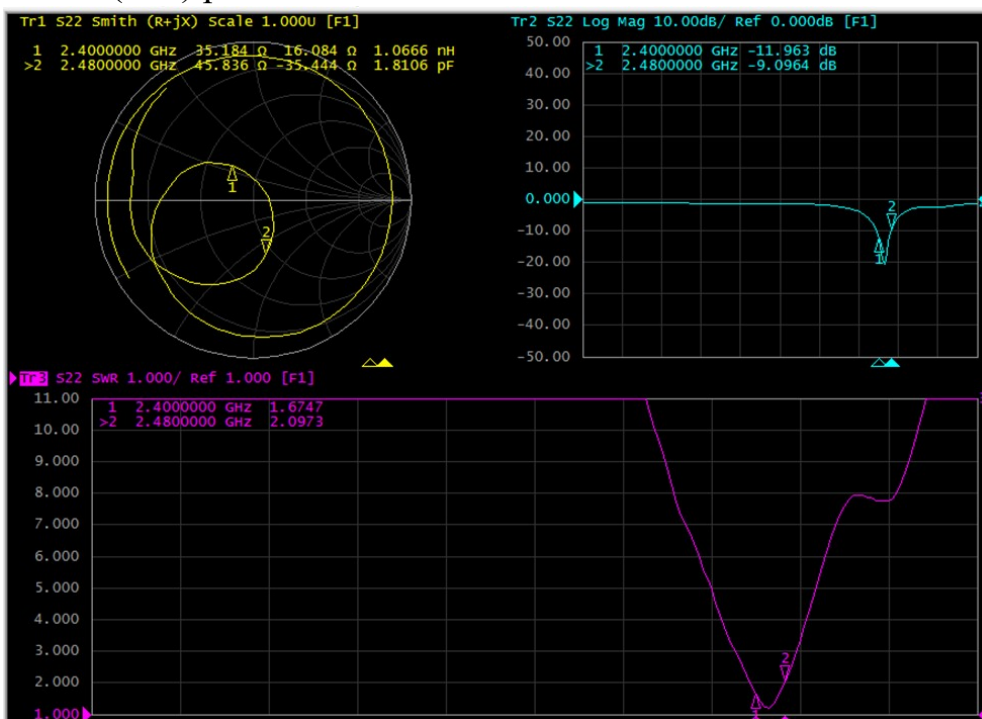


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:



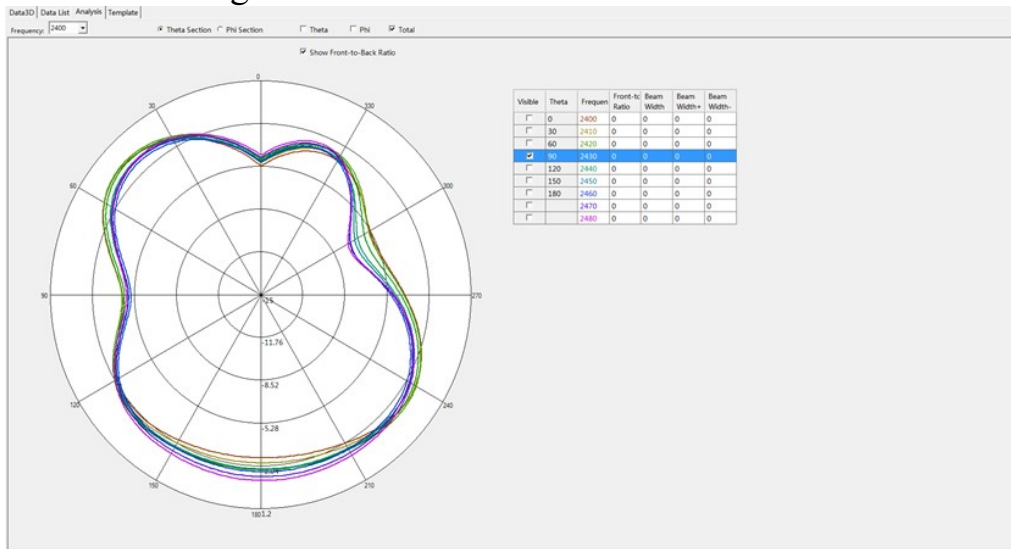
Efficiency:

2400-2480 MHz (Left ear)			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	48.82%	-3.11	0.64
2410	50.13%	-3.00	0.92
2420	51.18%	-2.91	1.10
2430	49.48%	-3.06	1.03
2440	47.12%	-3.27	0.94
2450	47.27%	-3.25	1.08
2460	45.04%	-3.46	1.00
2470	46.36%	-3.34	1.19
2480	46.68%	-3.31	1.20
Average value	48.01%	-3.19	1.01

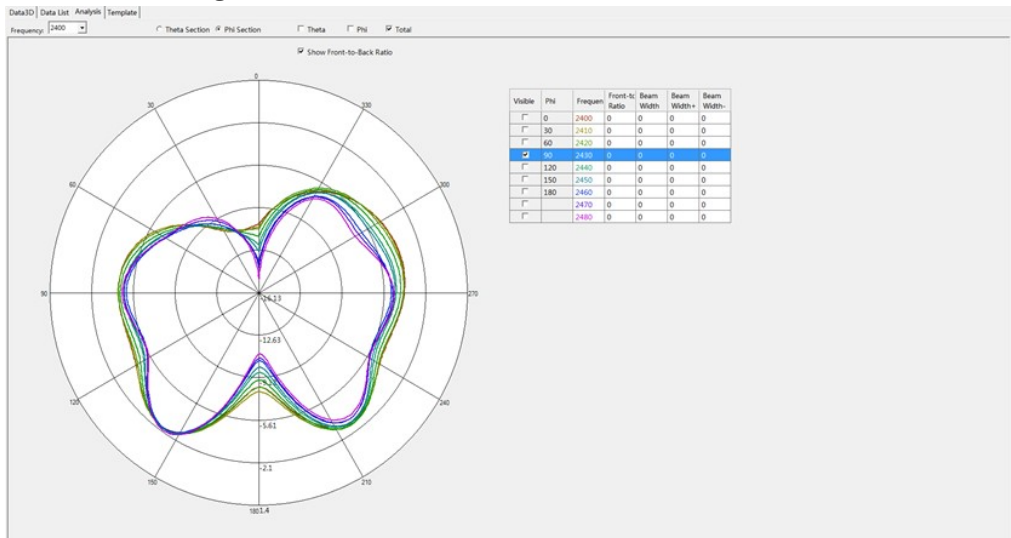


Antenna radiation pattern:

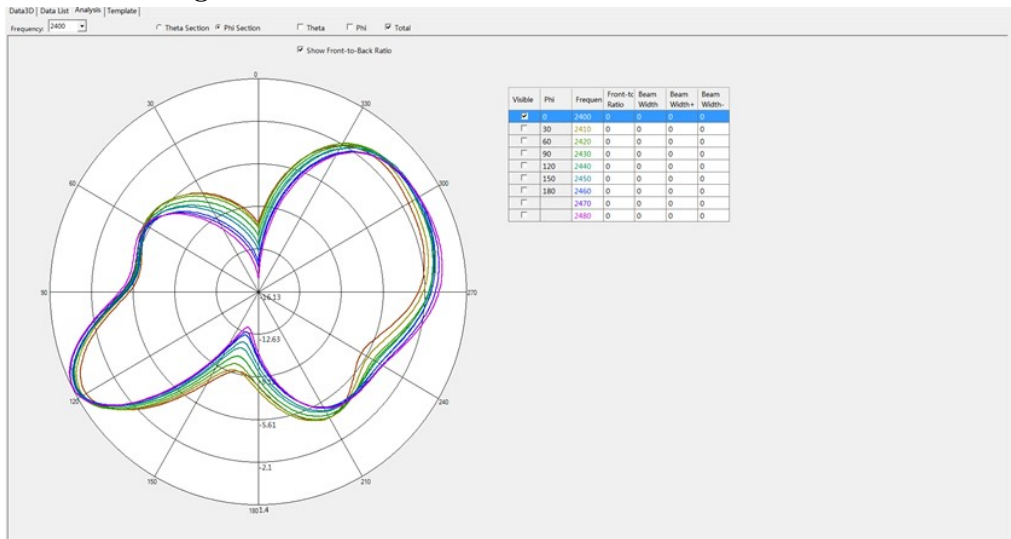
Theta=90.00deg



Phi=90.00deg



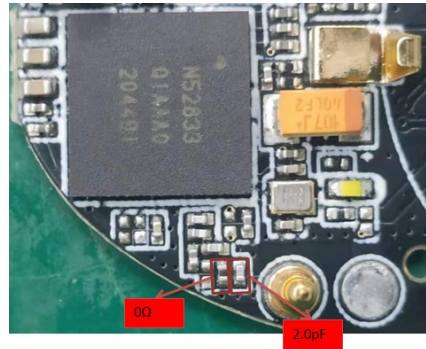
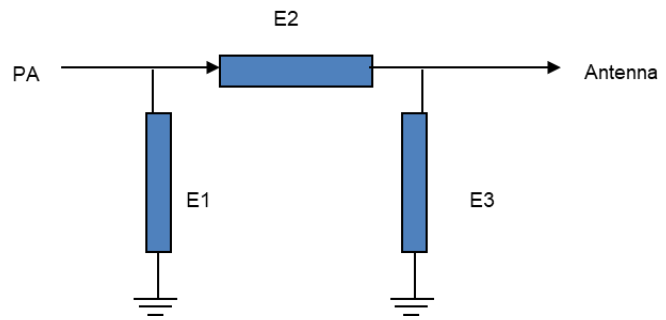
Phi=0.00deg





II: Matching circuit

Element	Value
E1(0201)	N/A
E2(0201)	0Ω
E3(0201)	2.0pF





III: Structure file

