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Shenzhen City

Antenna Specifications

client :	Fantastic
project name :	A01
Material category:	BT antenna
edition :	V1.0
date :	2025.05.13

catalogue

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Change record column			
Date of preparation/change	Reasons for change	Change content	edition
2025.05.13	First edition	First edition	V1.0

One: Passive test report



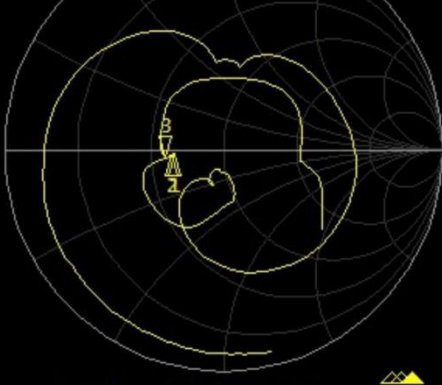
Angilent E5071C

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S22 Smith (R+jX) Scale 1.000U [F1]

1	2.4000000	GHz	31.857	Ω	-1.5185	Ω	43.670	pF
2	2.4400000	GHz	30.950	Ω	-1.5925	Ω	40.958	pF
>3	2.4800000	GHz	29.069	Ω	-2.1435	Ω	29.939	pF

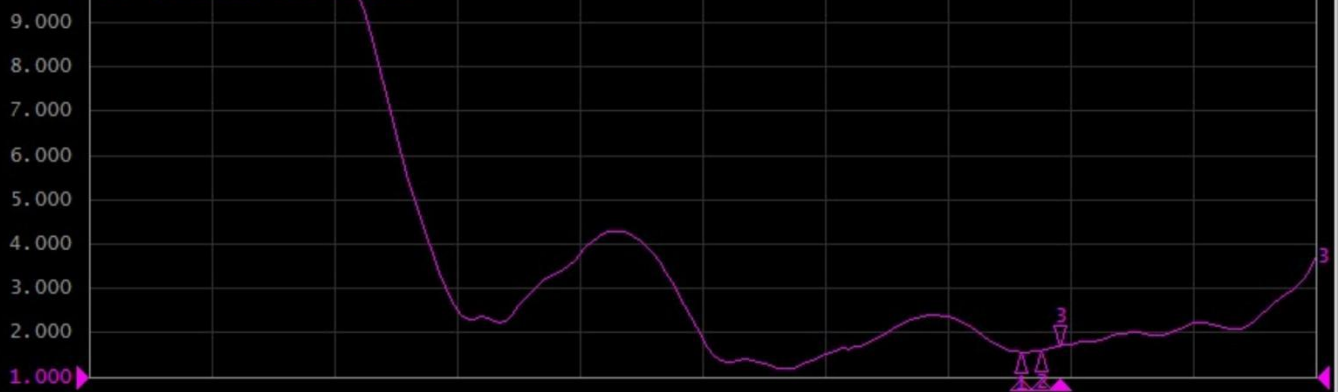


Tr2 S22 Log Mag 10.00dB/ Ref 0.000dB [F1]



Tr3 S22 SWR 1.000/ Ref 1.000 [F1]

1	2.4000000	GHz	1.5720
2	2.4400000	GHz	1.6182
>3	2.4800000	GHz	1.7249



2 Start 500 MHz

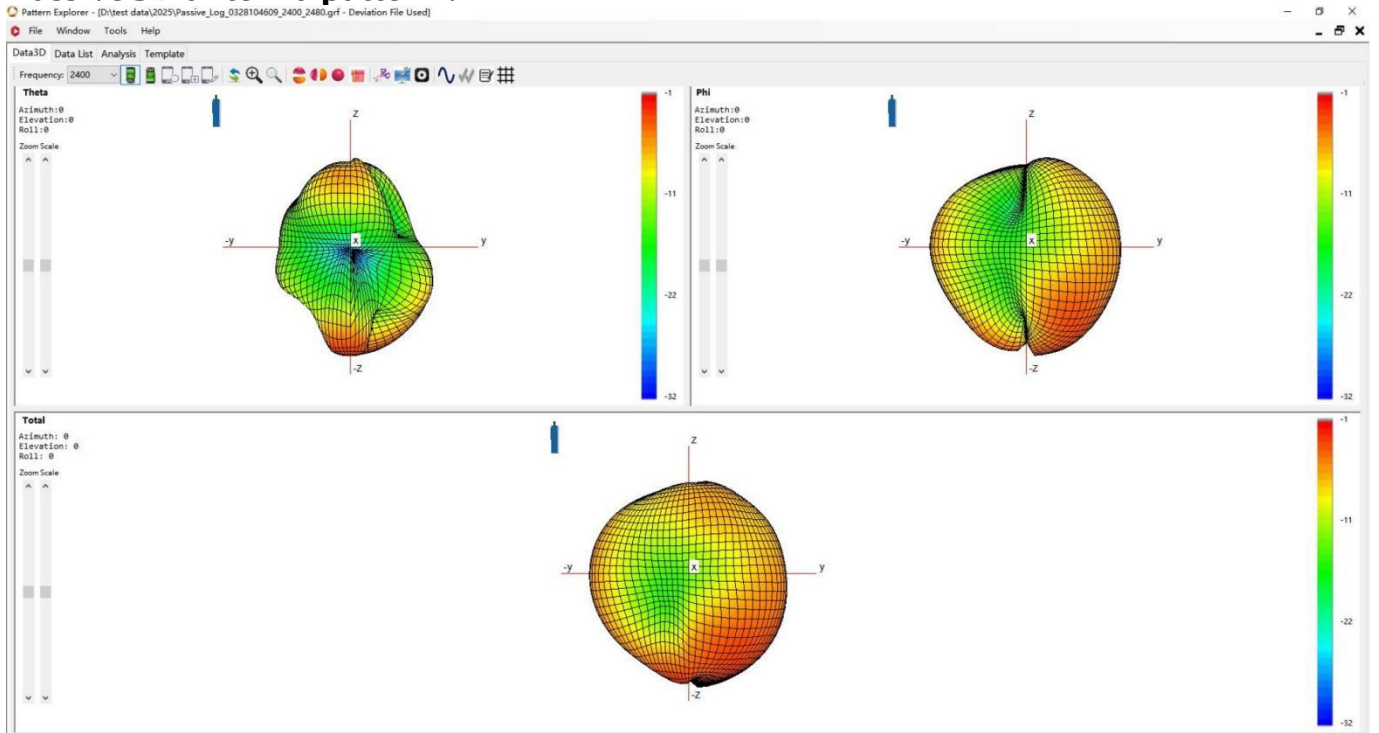
IFBW 70 kHz

Stop 3 GHz PExt Cor

Meas Stop ExtRef Svc

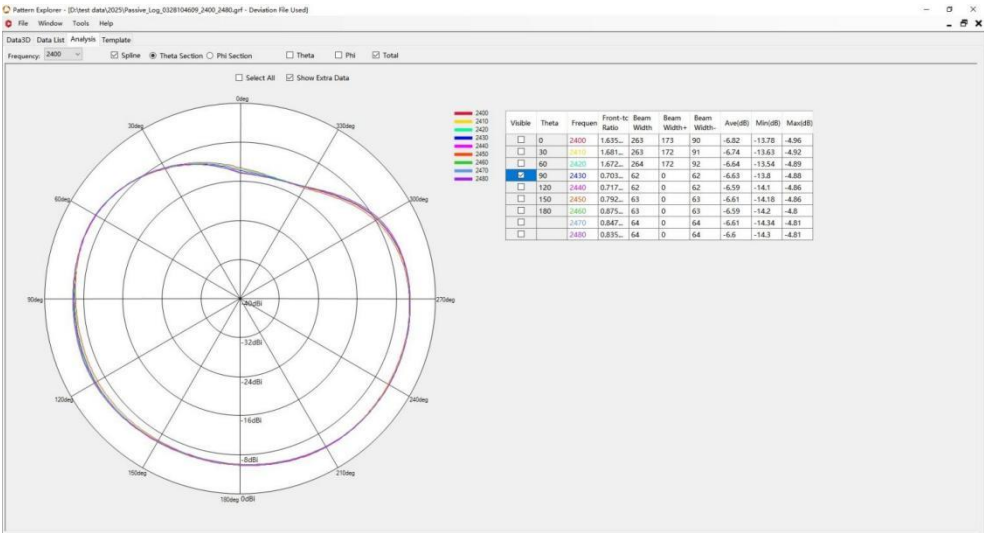
frequency point	gain	productiveness db	productiveness %
2400	-1.8	-6.2	24.1
2410	-1.7	-6.1	24.3
2420	-1.7	-6.1	24.5
2430	-1.6	-6.1	24.4
2440	-1.6	-6.1	24.4
2450	-1.5	-6.1	24.4
2460	-1.5	-6.1	24.4
2470	-1.5	-6.1	24.3
2480	-1.5	-6.1	24.5
average value	-1.6	-6.1	24.4

Passive 3D antenna pattern :

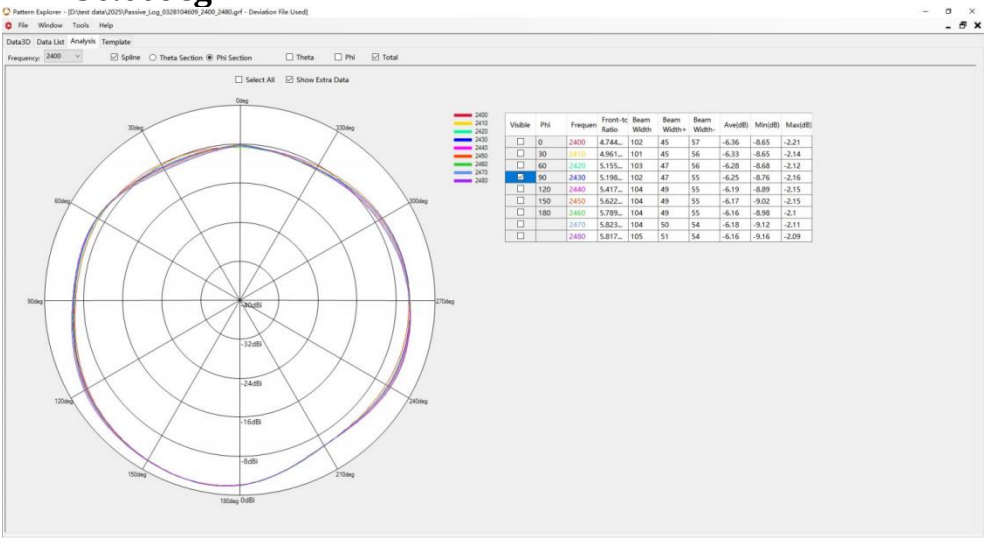


Passive 2D antenna

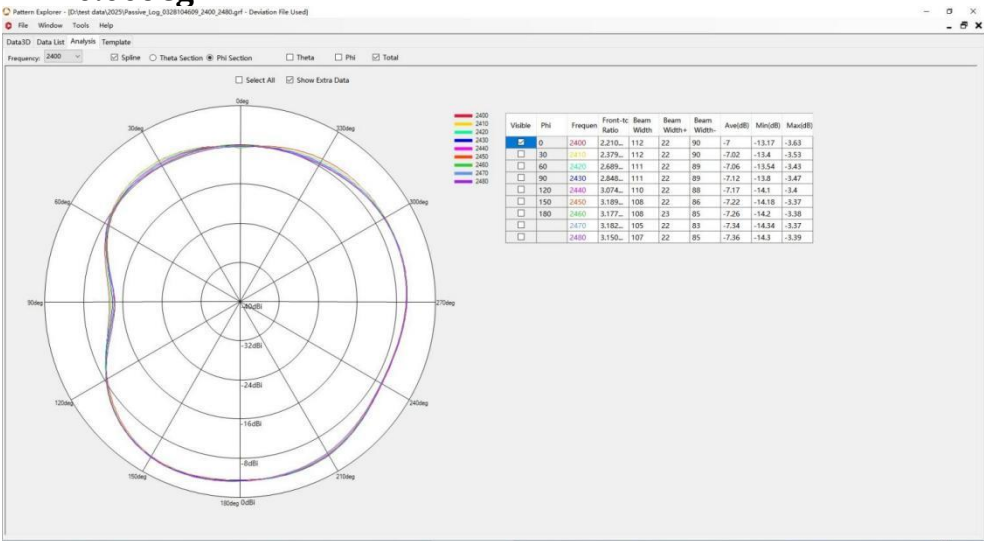
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg



Two: matching circuit



Figure number	The matchin g value
C20	N/A
L20	0R

