Antenna Part Specification

Customers:	Risuntek
Project name:	LT-2091
Antenna type:	FPC
Antenna morphology:	PIFA
Version:	V1.0
Date:	2024.06.26
Supplier Address:	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
Supplier:	Shenzhen Cicent Communication Technology Co., Ltd.

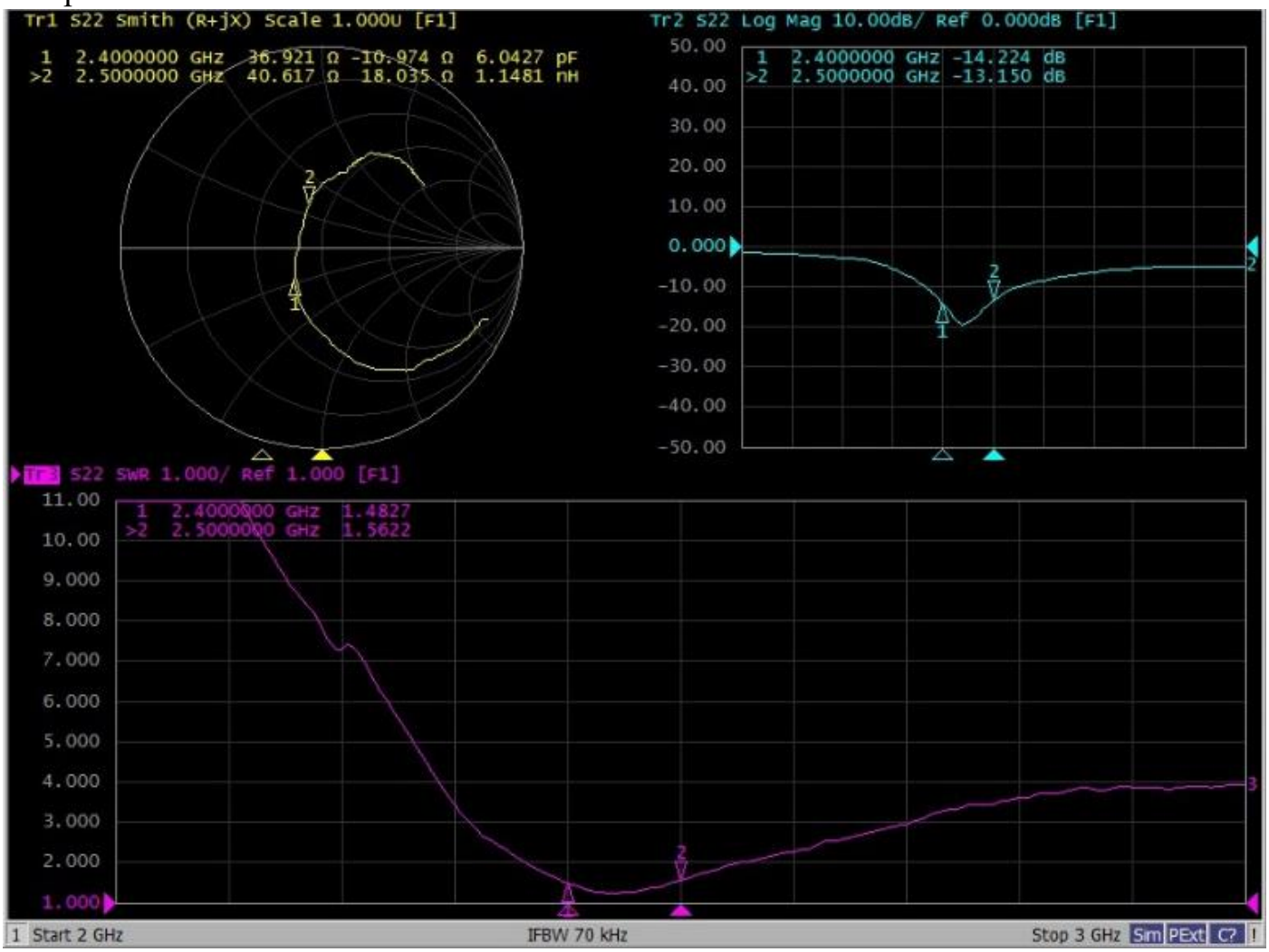
Contents

Change record			
Compile / change date	Reason for change	Changed content	Version
2024.06.26	First edition	First edition	V1.0

I: The report of passive data

Angilent E5071C

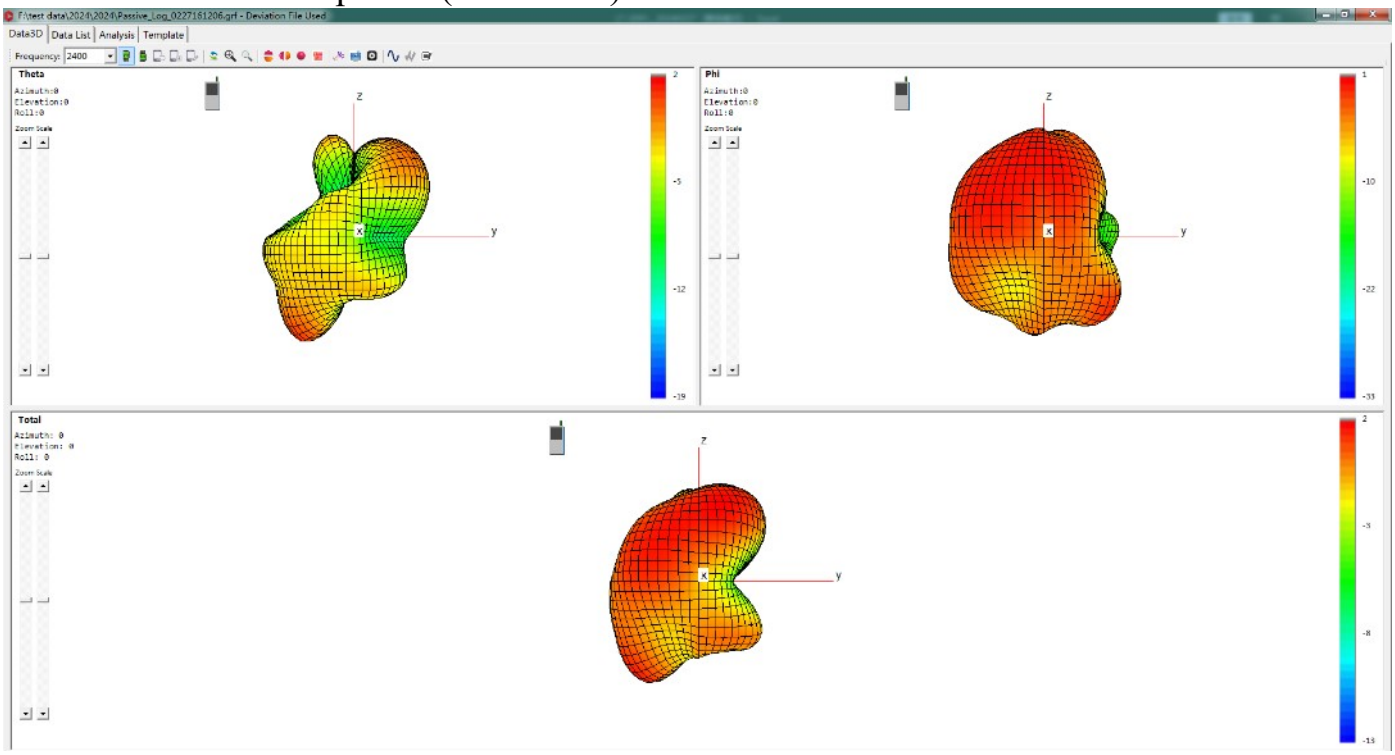
S11 parameter：



Efficiency：

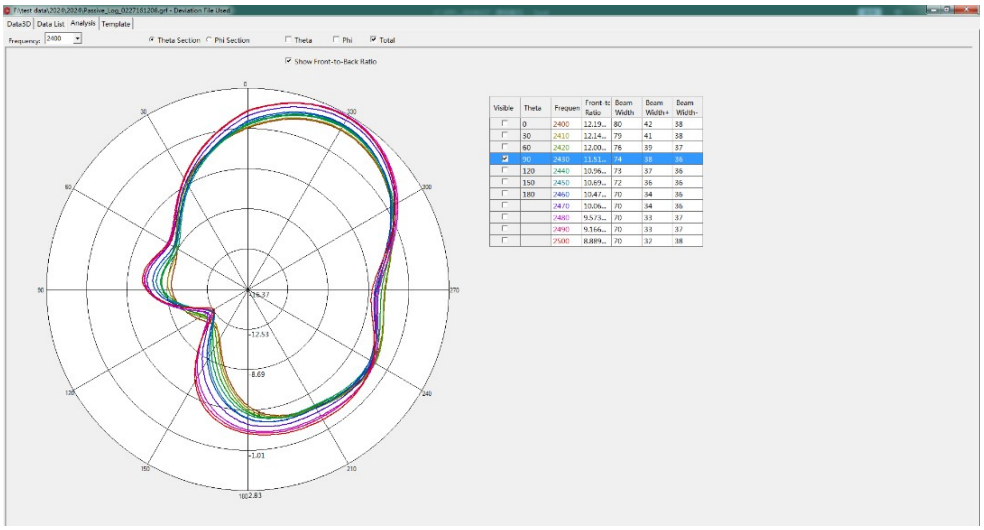
BT			
Frequency（MHz）	Gain (dBi)	Efficiency (dB)	Efficiency
2400	1.8	-2.9	51.2
2410	1.8	-2.8	52.2
2420	1.9	-2.7	53.3
2430	2.0	-2.9	51.6
2440	2.0	-2.9	50.8
2450	2.2	-2.9	51.5
2460	2.1	-2.9	51.7
2470	2.5	-2.2	59.6
2480	2.8	-2.4	57.8
2490	2.8	-2.6	55.3
2500	2.7	-2.6	54.8
Average value	2.2	-2.7	53.6

3D Antenna radiation pattern(Unit：dBi):

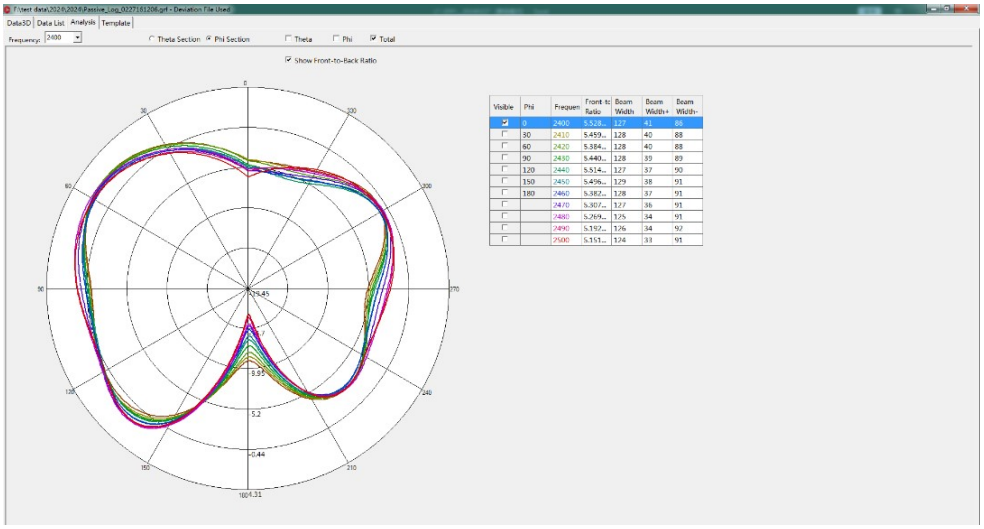


Antenna radiation pattern(Unit：dBi):

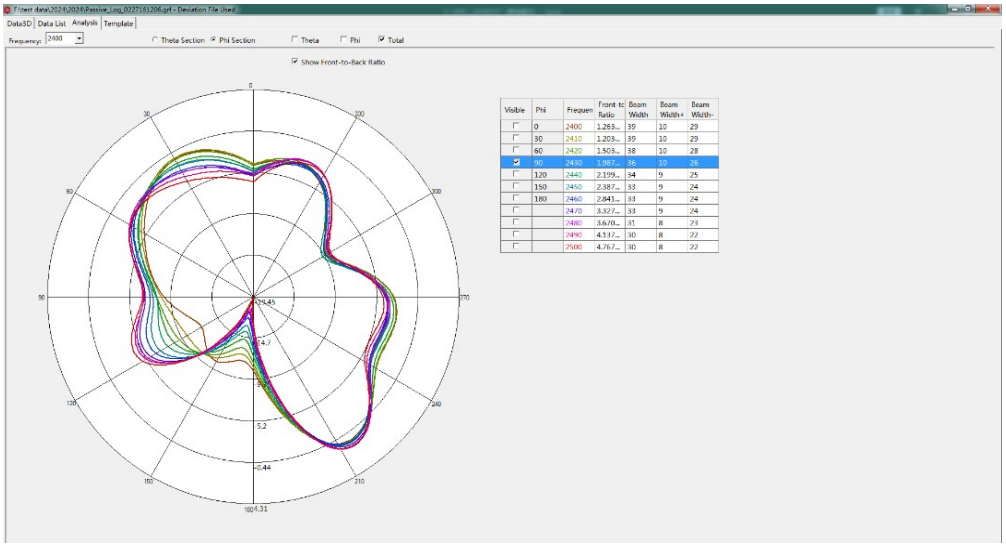
Theta=90.00deg



Phi=0.00deg



Phi=90.00deg



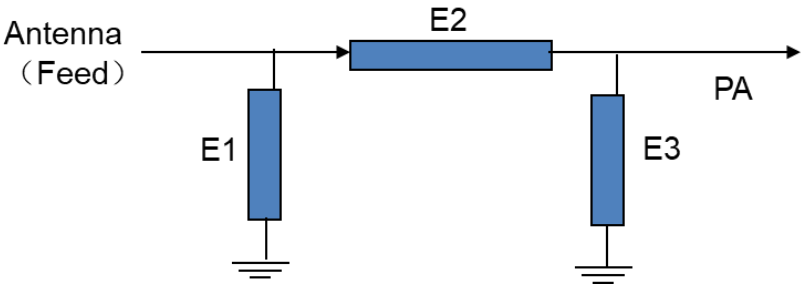
II：3D Active test report of antenna

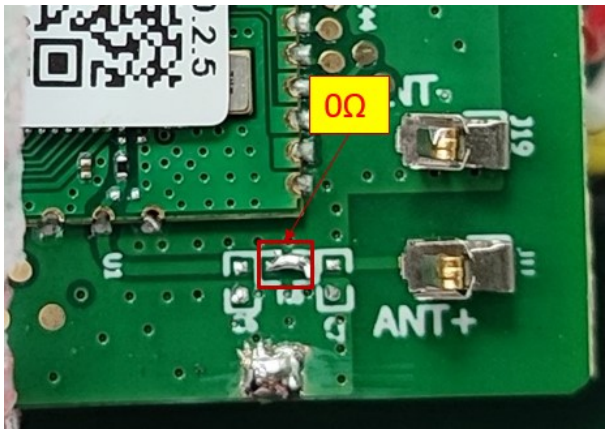
	Channel	TRP（dBm）	TIS（dBm）
BT	CH 0	2.4	-91.4
	CH 39	2.8	-91.4
	CH 78	3.2	-91.0

OTA Standard Chamber

III：Matching circuit

Element	value
E1	N/A
E2	0Ω
E3	N/A





IV：Structure file：