

Parts Approval Sheet

Customer	Fu You Chang	Project	FN-5309B-005
Band	2.4G	Color	Black
PN		Version	V1
Customer material number			

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
	Li Zhengquan	Zhang Zhongjun	Su Haiwen
Customer Confirm			

Environmental requirements: ☒ ROHS ☐ REACH ☐ 无

Contents

Contents.....	2
1.Summary.....	3
2.General Description.....	3
2.1Antenna Components/Part revisions.....	3
2.2Definitions.....	3
3.Electrical Performance.....	4
3.1 Matching Circuit Description.....	4
3.2 VSWR(Test in free space).....	4
3.3 Gain&Efficiency.....	5
3.4 3D Radiation Pattern.....	5
Reliability Testing Report:	6

1.Summary

This report summarizes the electrical results of the our antenna to support the project W203. The test fixture is made for further testing, which is show below:



2.General Description

2.1Antenna Components/Part revisions

The antenna part number is T: A

2.2Definitions

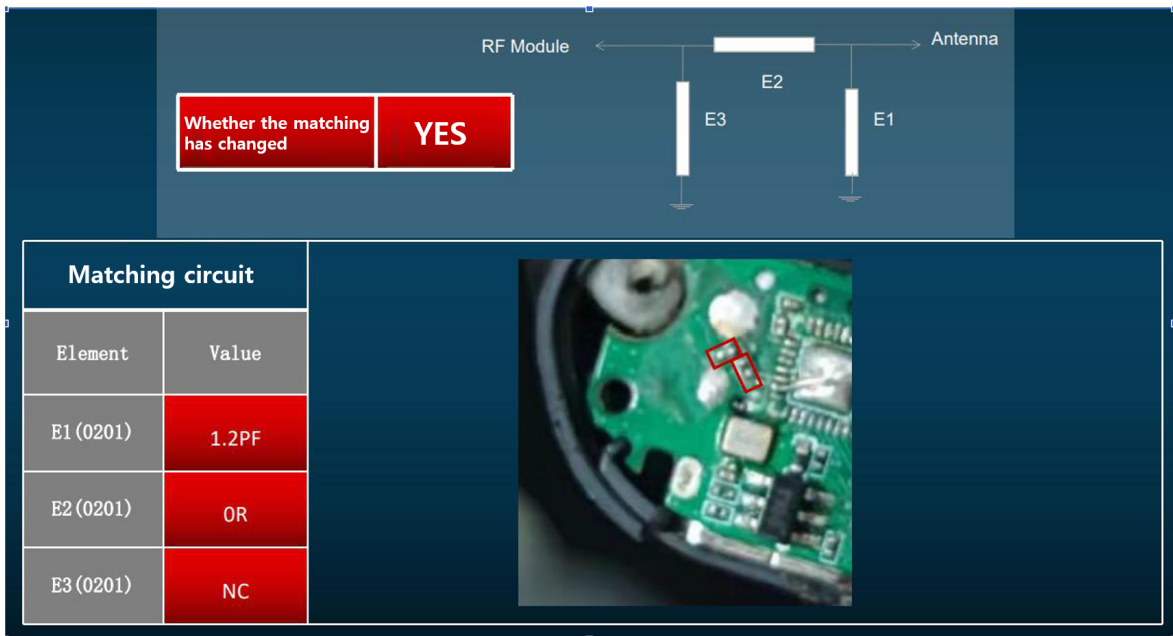
VSWR: Voltage Standing Wave Rate

TRP: total radiated power

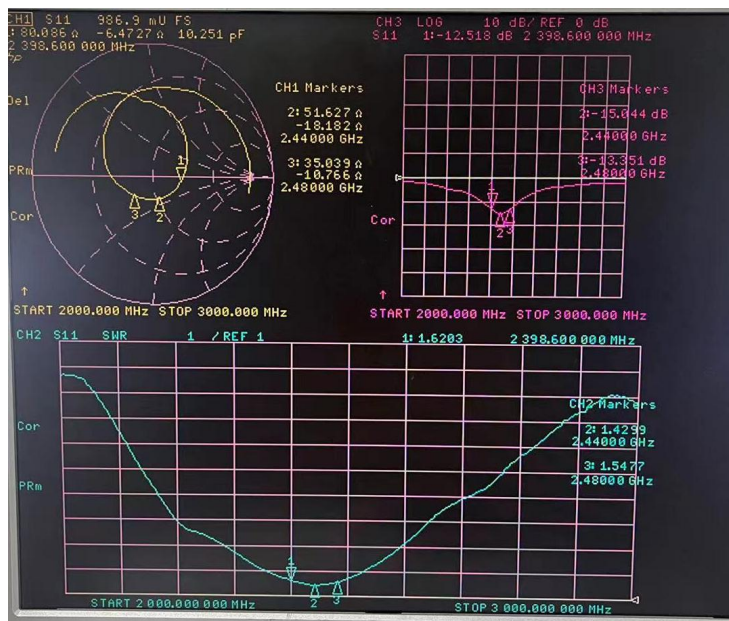
TIS: total isotropic sensitivity

3.Electrical Performance

3.1 Matching Circuit Description



3.2 VSWR(Test in free space)

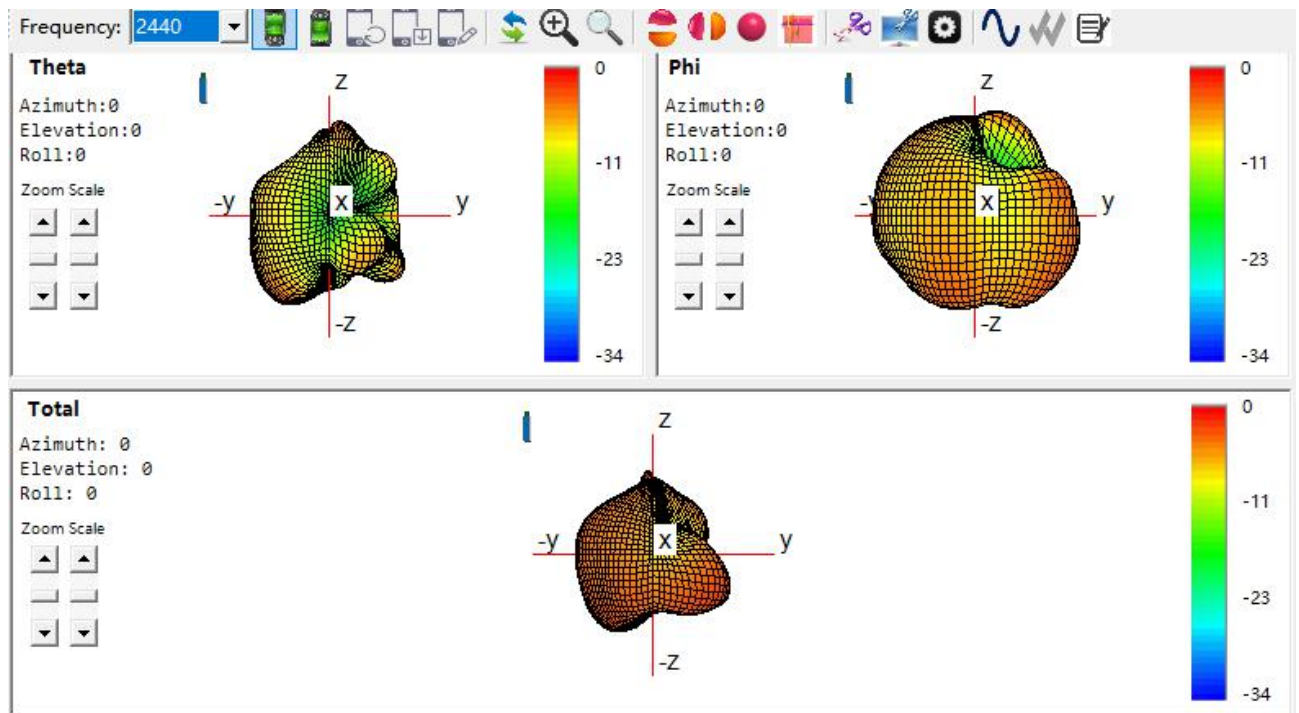


Freq.(MHz)	2400	2440	2500
VSWR	1.62	1.42	1.54

3.3 Gain&Efficiency

Frequency (Mhz)	Gain (db)	Efficiency (%)
2400	-0.7	34.94
2410	-1.09	34.5
2420	-1.24	34.21
2430	-1.15	34.77
2440	-0.99	35.21
2450	-0.76	36.21
2460	-0.59	36.04
2470	-0.31	37.34
2480	-0.13	37.83
2490	0.06	38.36
2500	0.1	38.08

3.4 3D Radiation Pattern



Shenzhen Heming Micro Technology Co., Ltd

Reliability Testing Report:

customer	Fu Youchang	part number	FPC	Work Date	2021.11.15
Test item	Test requirement			Test result	Evaluation
neutral Salt-Fog test	Hydrochloric fog through neutral testing: In the time of 24 hours, no rust corrosion, color fading or solder peel off to the antenna fpc sop in Nacl 5% $\pm$ 1% PH value 6.5-7.2, above 85% humidity. and 35°C $\pm$ 2°C Seals environment.			Norust corrosion, color fading or solder peel off on the antenna surface after testing	pass
tester: Su Haiwen			approval: Su Haiwen		

