



S3203B Antenna Test Report

Date: 2026.03.26

CONTENTS

01

Project Overview

02

Test Environment

03

Matching Circuit

04

Environmental
Treatment

05

Passive Report

06

Active Report

07

Conclusion





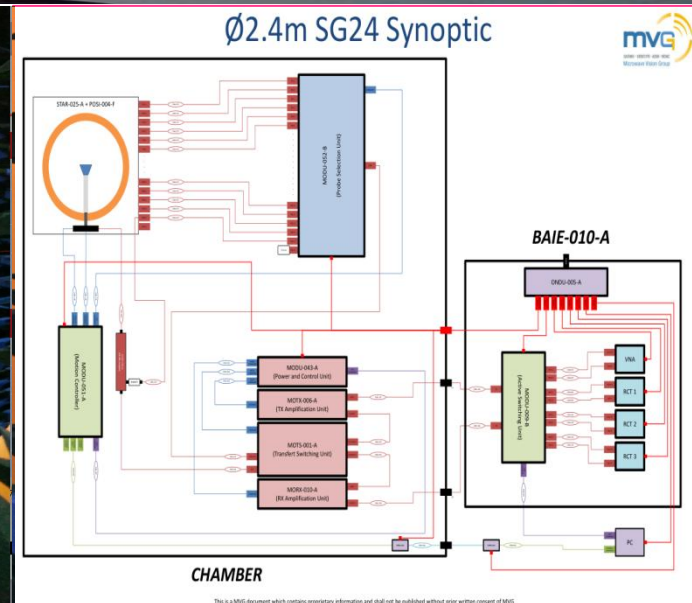
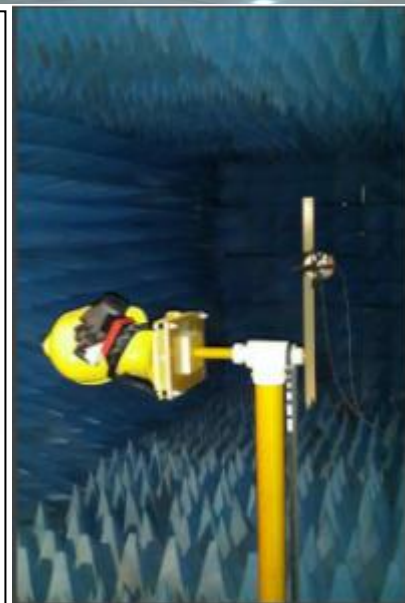
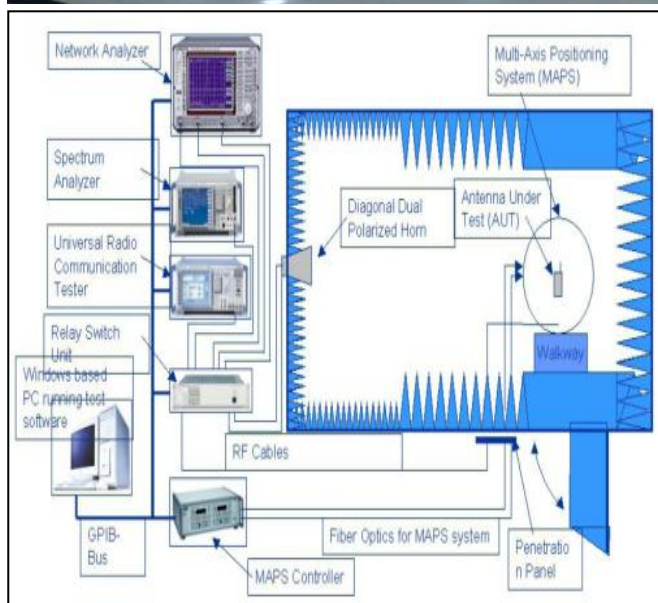
Project Overview



Main antenna design spectrum	GSM:B2/B3/B5/B8 WCDMA:B1/2/4/5/8 LTE:B1/2/3/4/5/7/8/12/17/18/19/20/26/ 28/38/40/41/66
Type of antenna	PIFA
Deputy antenna design spectrum	WIFI/GPS
Type of antenna	PIFA
Frequency diversity antenna	LTE:B1/2/3/4/5/7/8/12/17/18/19/20/26/ 28/38/40/41/66
Type of antenna	PIFA

Report version	Date	Content
V1.0	2026.03.26	Antenna test report

Test Environment



Darkroom system : MVG SG24LT (Satmio)

WIFI GPS passive Efficiency, Gain

1			1		1			1	
Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dBi	Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dBi
1560000000	57.64%	-2.39308	1560000000	1.767984	2400000000	54.04%	-2.67256	2400000000	2.211821
1562000000	58.55%	-2.32479	1562000000	1.655848	2410000000	54.28%	-2.65366	2410000000	2.248855
1564000000	58.23%	-2.34877	1564000000	1.457506	2420000000	55.65%	-2.54564	2420000000	2.400048
1566000000	58.37%	-2.33781	1566000000	1.670712	2430000000	56.29%	-2.49562	2430000000	2.425927
1568000000	58.97%	-2.29361	1568000000	1.909508	2440000000	56.76%	-2.45923	2440000000	2.510698
1570000000	60.27%	-2.19932	1570000000	2.054055	2450000000	57.87%	-2.37572	2450000000	2.649506
1572000000	60.61%	-2.17479	1572000000	1.902745	2460000000	58.99%	-2.29214	2460000000	2.777809
1574000000	60.43%	-2.1877	1574000000	1.737393	2470000000	59.64%	-2.24467	2470000000	2.813606
1576000000	60.01%	-2.21748	1576000000	2.156647	2480000000	59.23%	-2.27478	2480000000	2.811776
1578000000	60.64%	-2.17219	1578000000	2.286608	2490000000	58.43%	-2.33353	2490000000	2.767607
1580000000	60.93%	-2.15149	1580000000	2.233953	2500000000	56.93%	-2.44689	2500000000	2.662813

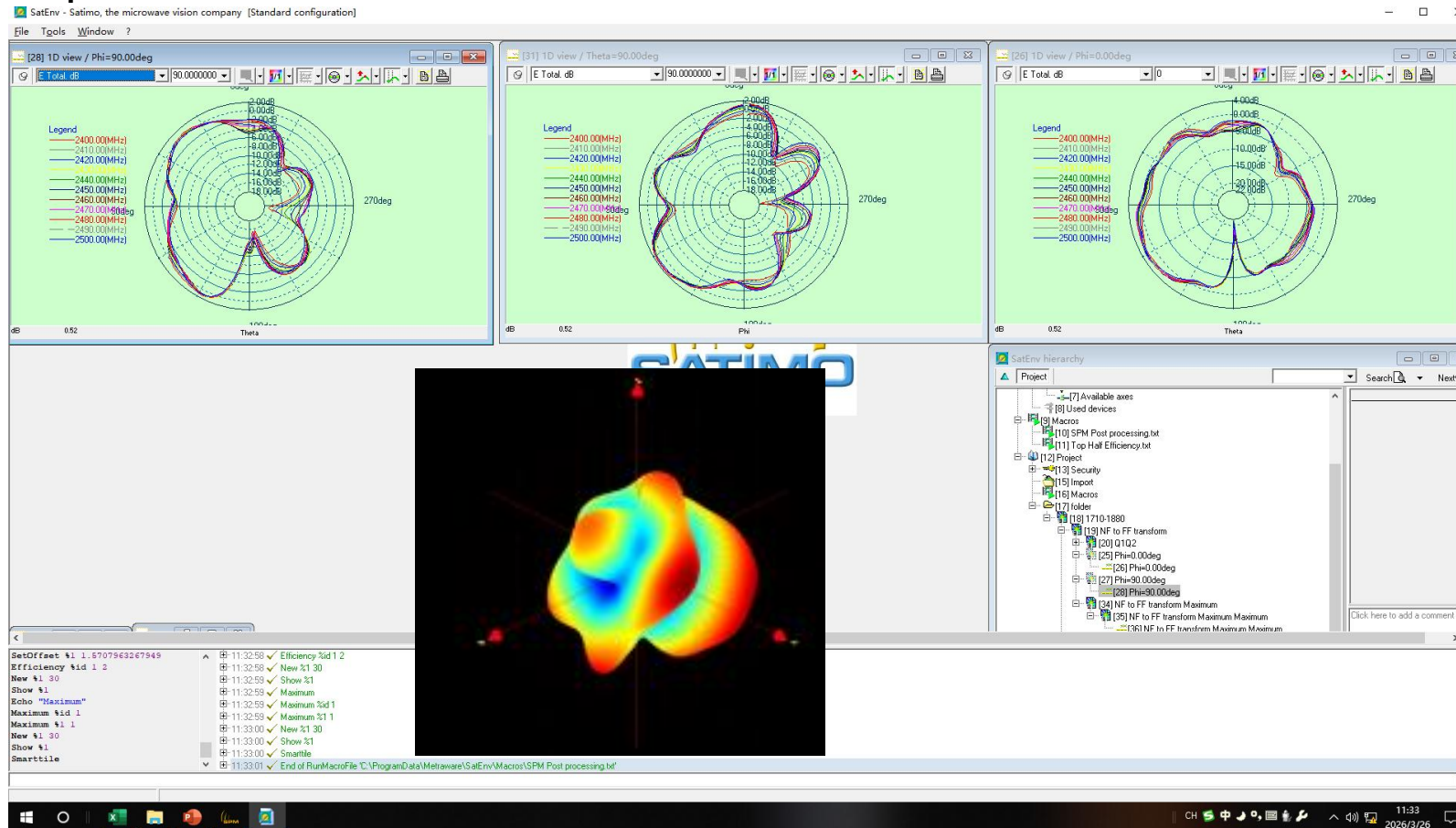
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

4G passive Efficiency, Gain

1			1		1			1	
Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dBi	Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dBi
700000000	12.52%	-9.02274	700000000	-3.80672	1710000000	30.25%	-5.19242	1710000000	-0.61652
710000000	13.77%	-8.60999	710000000	-3.0534	1756000000	36.55%	-4.37162	1756000000	0.074202
720000000	14.57%	-8.36434	720000000	-3.67744	1802000000	43.86%	-3.57905	1802000000	0.57325
730000000	14.05%	-8.52309	730000000	-3.46306	1848000000	46.33%	-3.34138	1848000000	1.38842
740000000	15.09%	-8.214	740000000	-3.03049	1894000000	49.78%	-3.02922	1894000000	1.654224
750000000	16.39%	-7.85472	750000000	-2.23267	1940000000	56.41%	-2.48673	1940000000	2.44588
760000000	17.02%	-7.69039	760000000	-3.51372	1986000000	56.07%	-2.51254	1986000000	2.40392
770000000	17.22%	-7.63901	770000000	-2.11472	2032000000	54.12%	-2.6662	2032000000	2.277588
780000000	16.78%	-7.75174	780000000	-2.1776	2078000000	51.28%	-2.90086	2078000000	1.524994
790000000	16.87%	-7.72909	790000000	-1.35963	2124000000	46.44%	-3.33116	2124000000	1.264125
800000000	16.62%	-7.79326	800000000	-2.29965	2170000000	41.14%	-3.8578	2170000000	0.868359
820000000	17.29%	-7.62229	820000000	-1.24189	2300000000	52.39%	-2.80749	2300000000	1.962423
834000000	21.13%	-6.75113	834000000	0.18005	2340000000	50.33%	-2.98197	2340000000	1.857766
848000000	26.11%	-5.83138	848000000	-0.44337	2380000000	43.50%	-3.61492	2380000000	1.20411
862000000	28.76%	-5.41186	862000000	0.50877	2420000000	34.85%	-4.5782	2420000000	0.37256
876000000	40.26%	-3.95094	876000000	1.257499	2460000000	31.78%	-4.97837	2460000000	0.348213
890000000	36.40%	-4.38841	890000000	1.79613	2500000000	37.47%	-4.26321	2500000000	1.138858
904000000	42.24%	-3.74275	904000000	1.967523	2540000000	44.90%	-3.47785	2540000000	1.976113
918000000	34.14%	-4.6675	918000000	0.993703	2580000000	51.32%	-2.89729	2580000000	2.370499
932000000	33.51%	-4.74871	932000000	0.8836	2620000000	51.52%	-2.88034	2620000000	2.074309
946000000	26.74%	-5.72862	946000000	0.50522	2660000000	52.07%	-2.83385	2660000000	2.108906
960000000	23.31%	-6.32425	960000000	0.001632	2700000000	51.81%	-2.85559	2700000000	1.831702

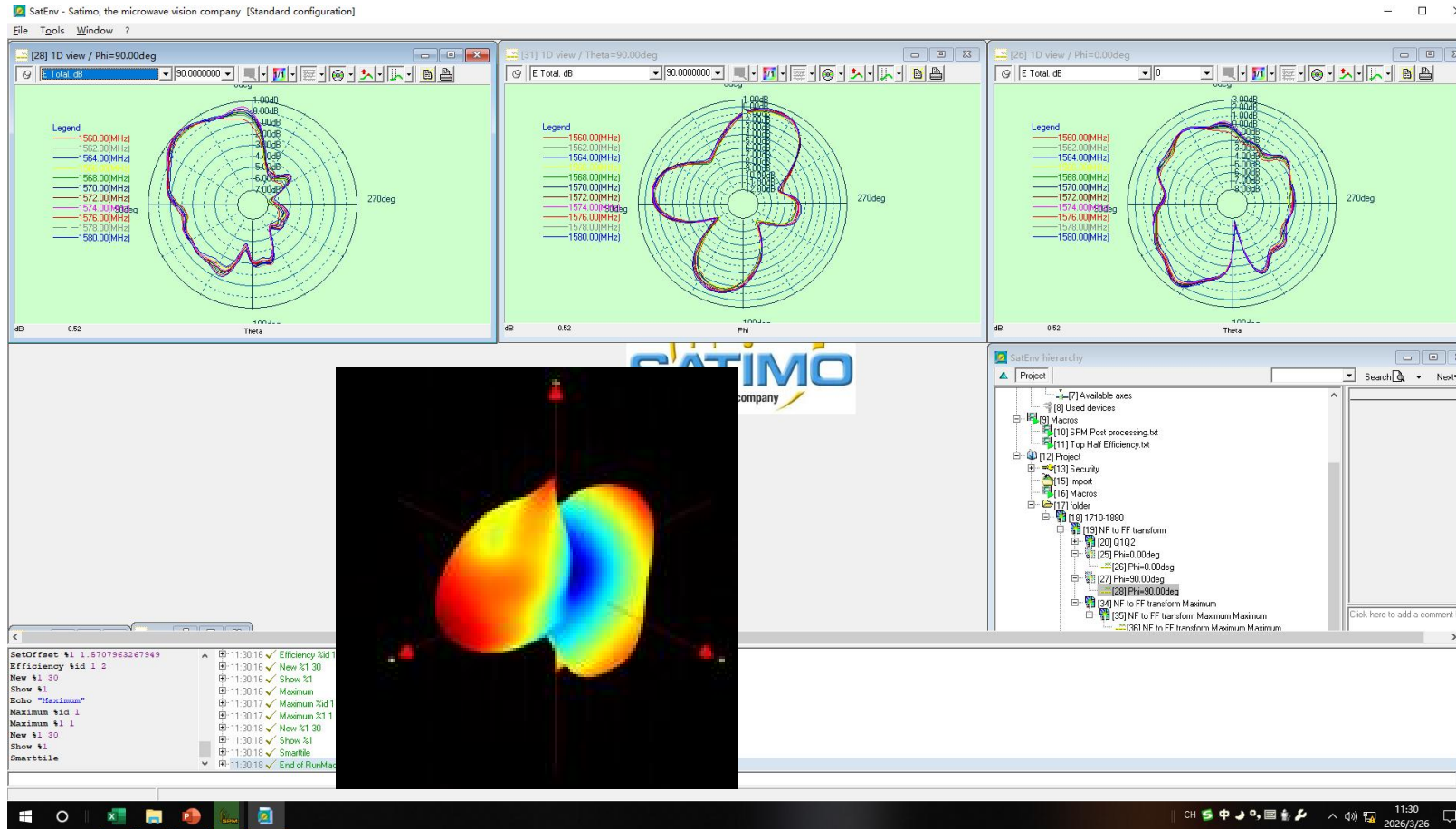
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

WIFI 2.4G Passive pattern



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

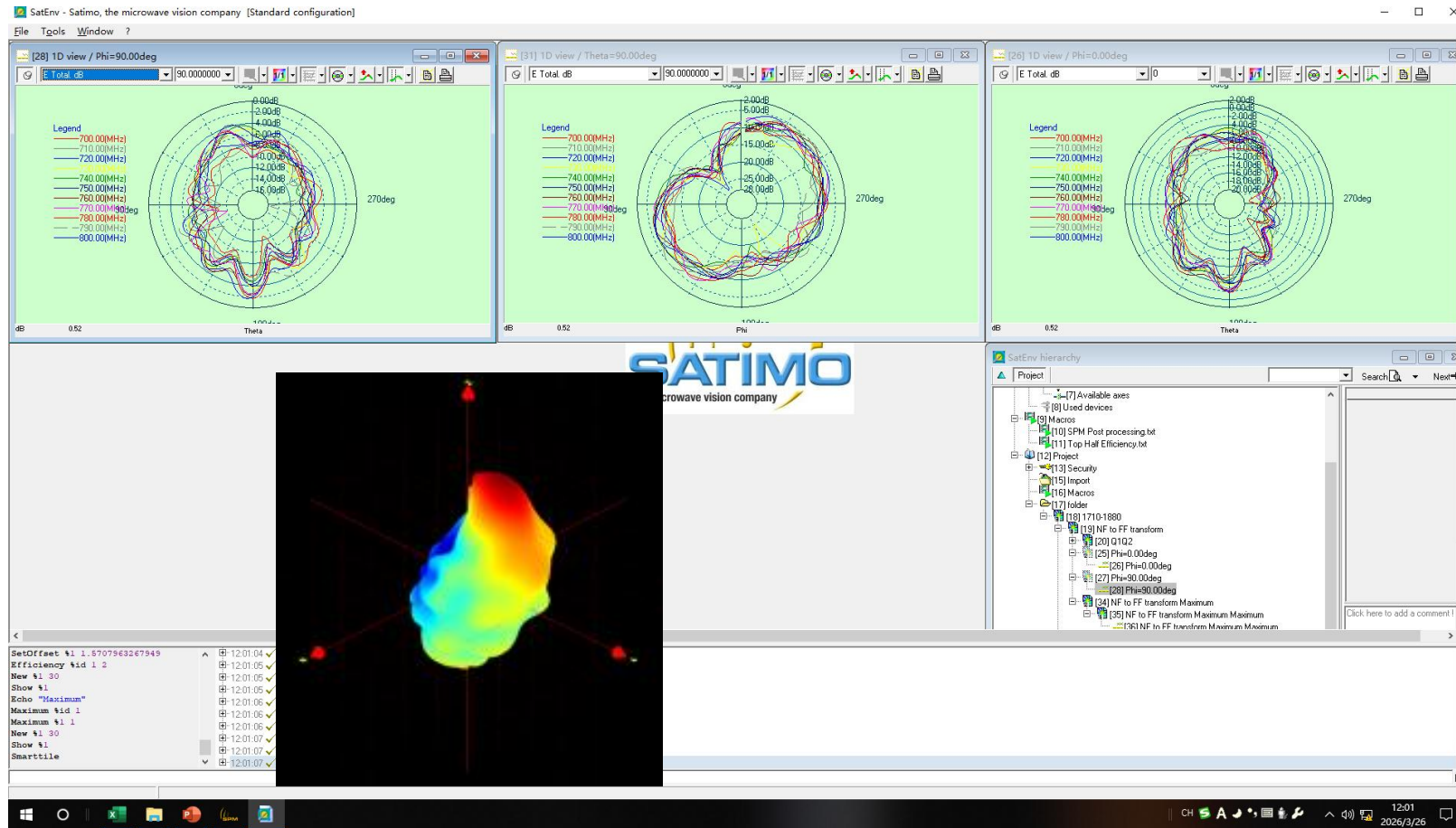
GPS Passive pattern



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

4G Passive pattern

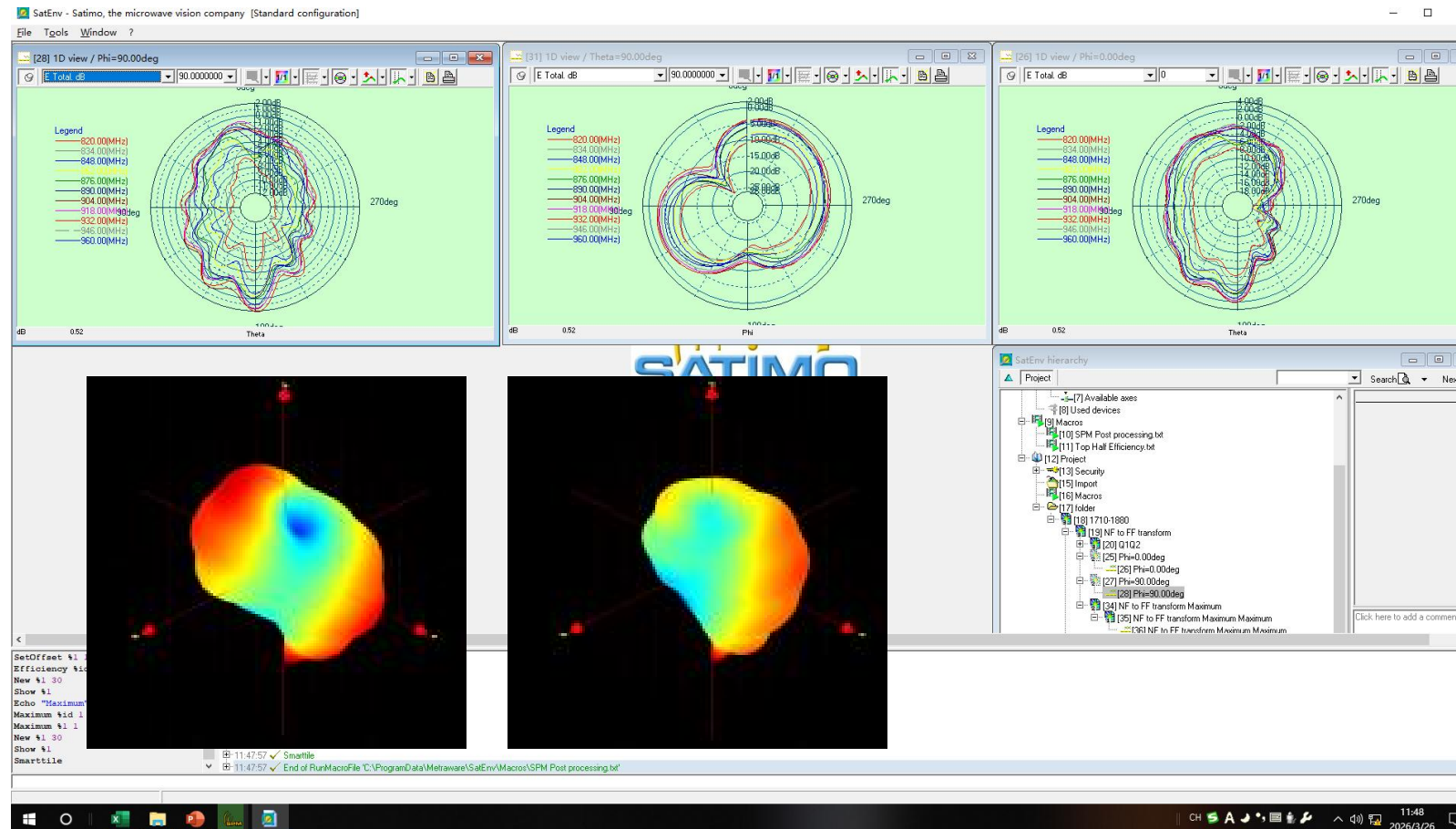
700-800MHz



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

4G Passive pattern

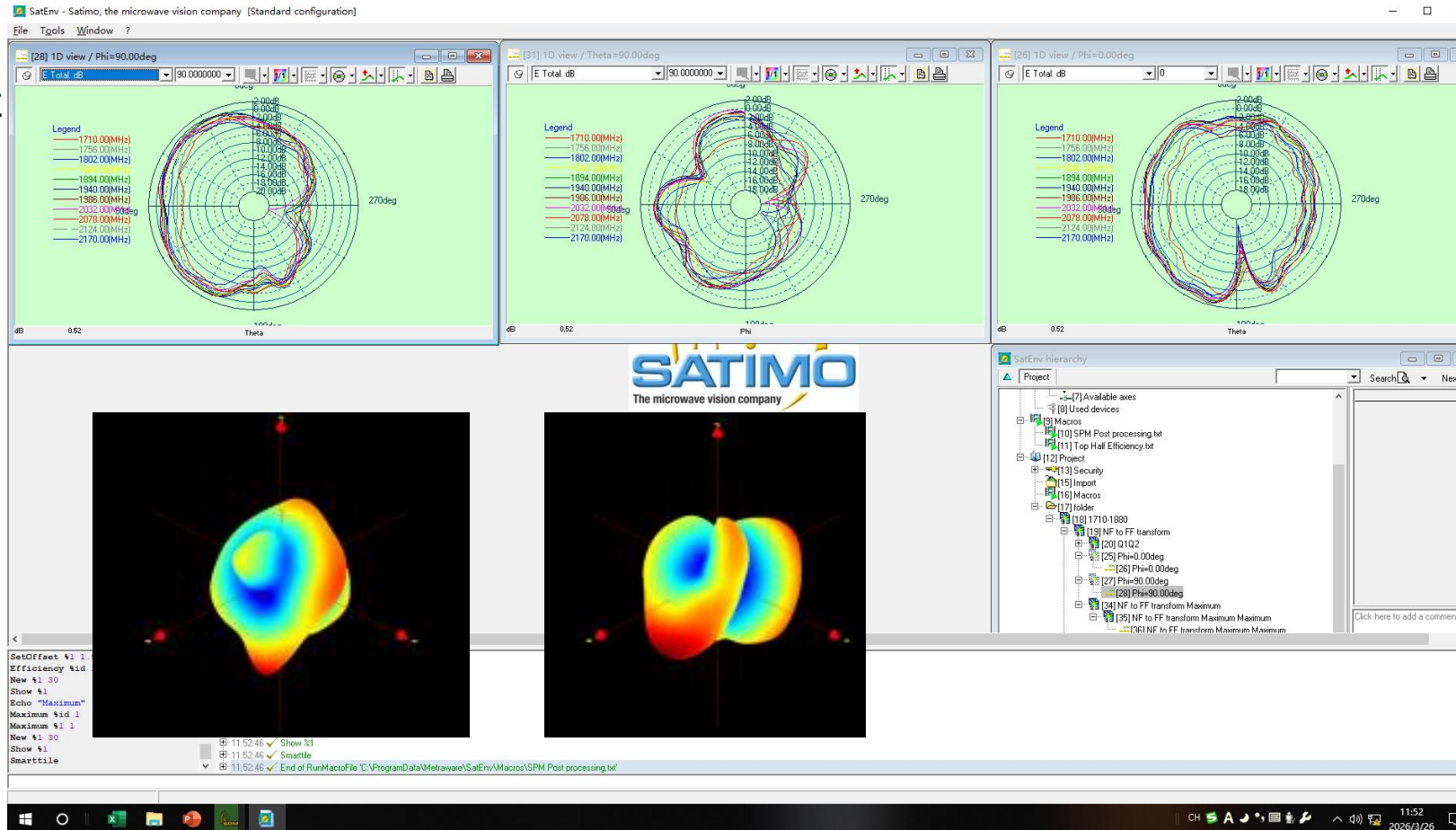
820-960MHz



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

4G Passive pattern

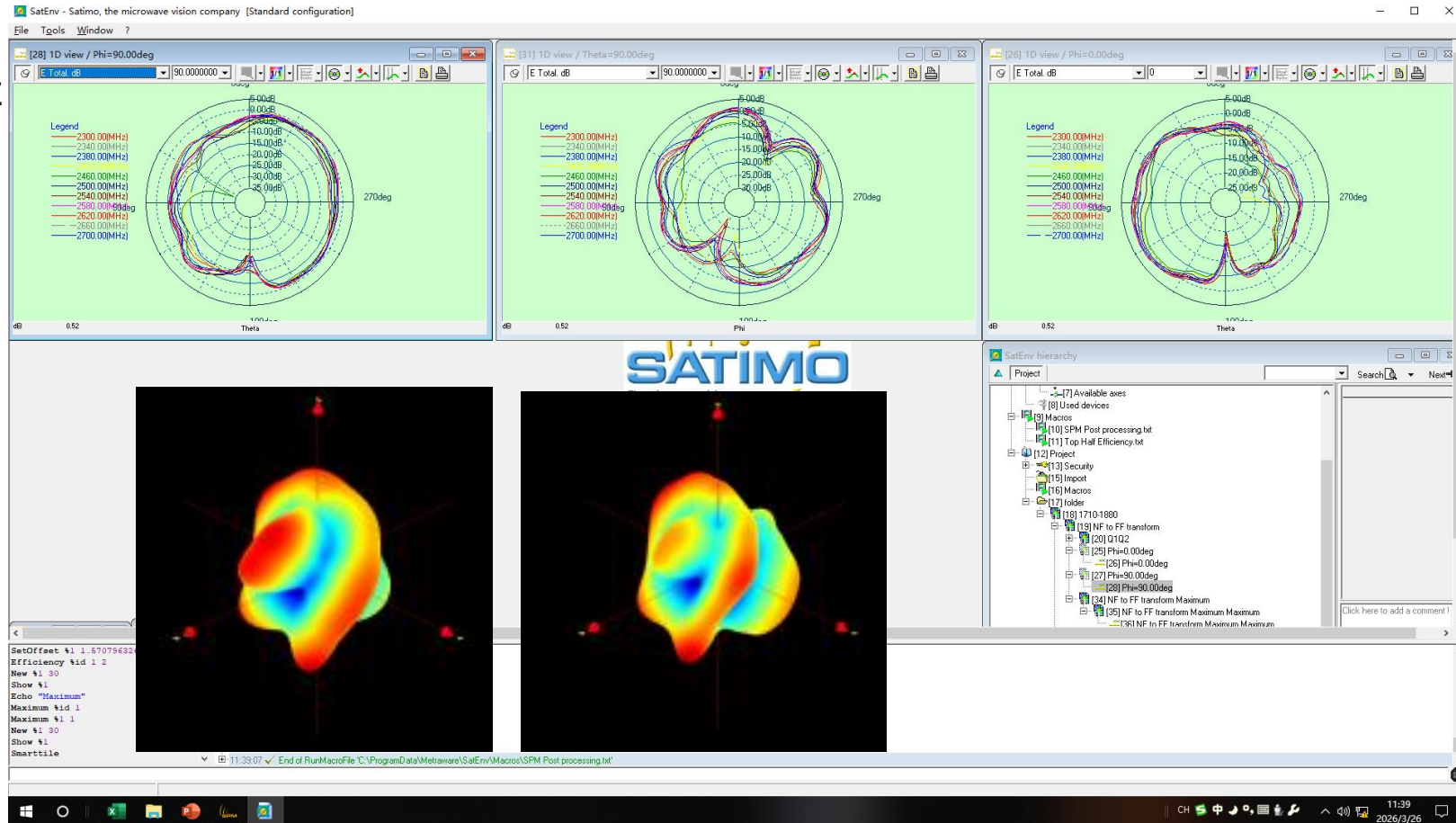
1710-2170MHz



Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

4G Passive pattern

2300-2700MHz



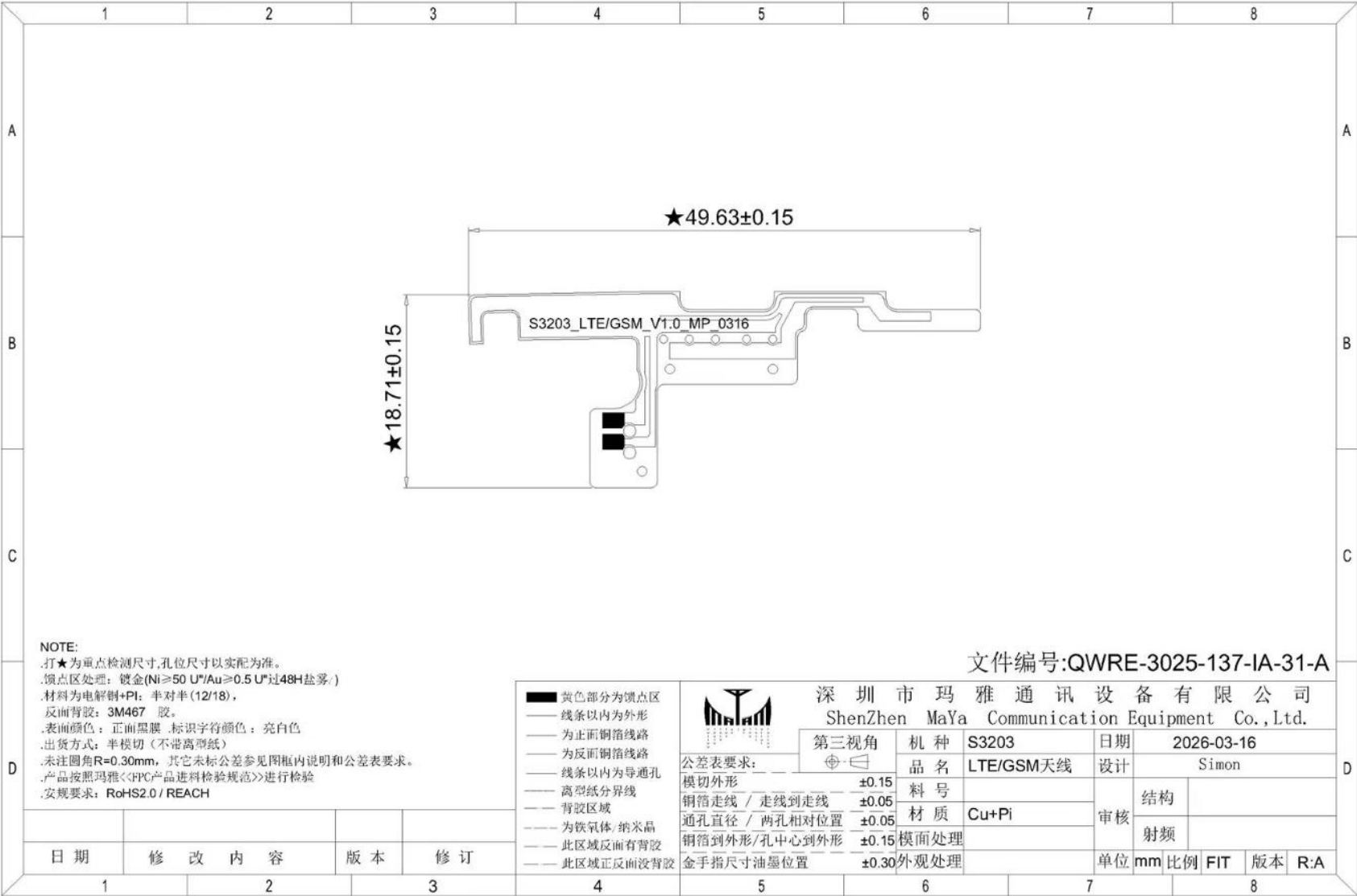
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)



Passive Report



LMB

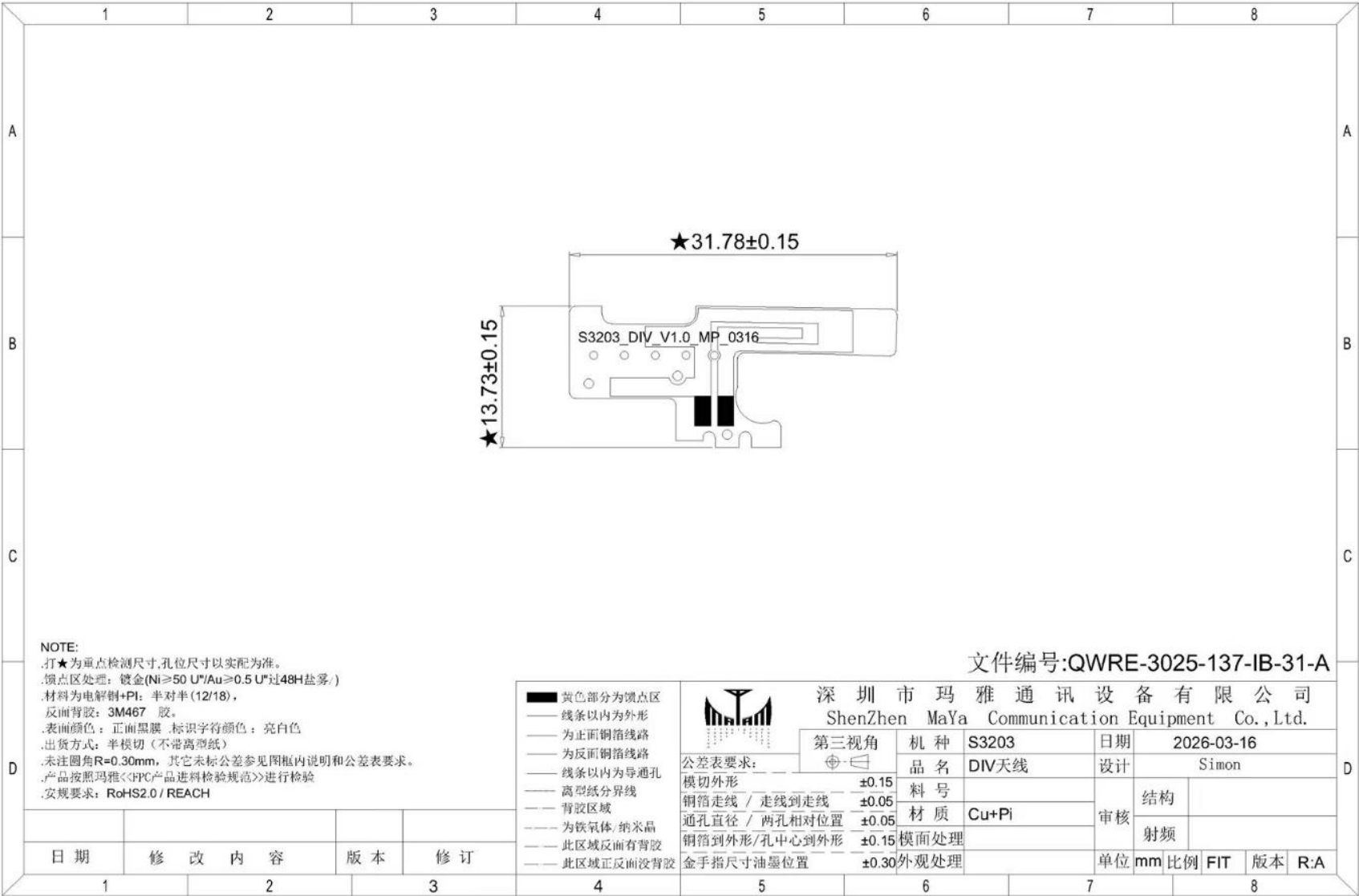




Passive Report

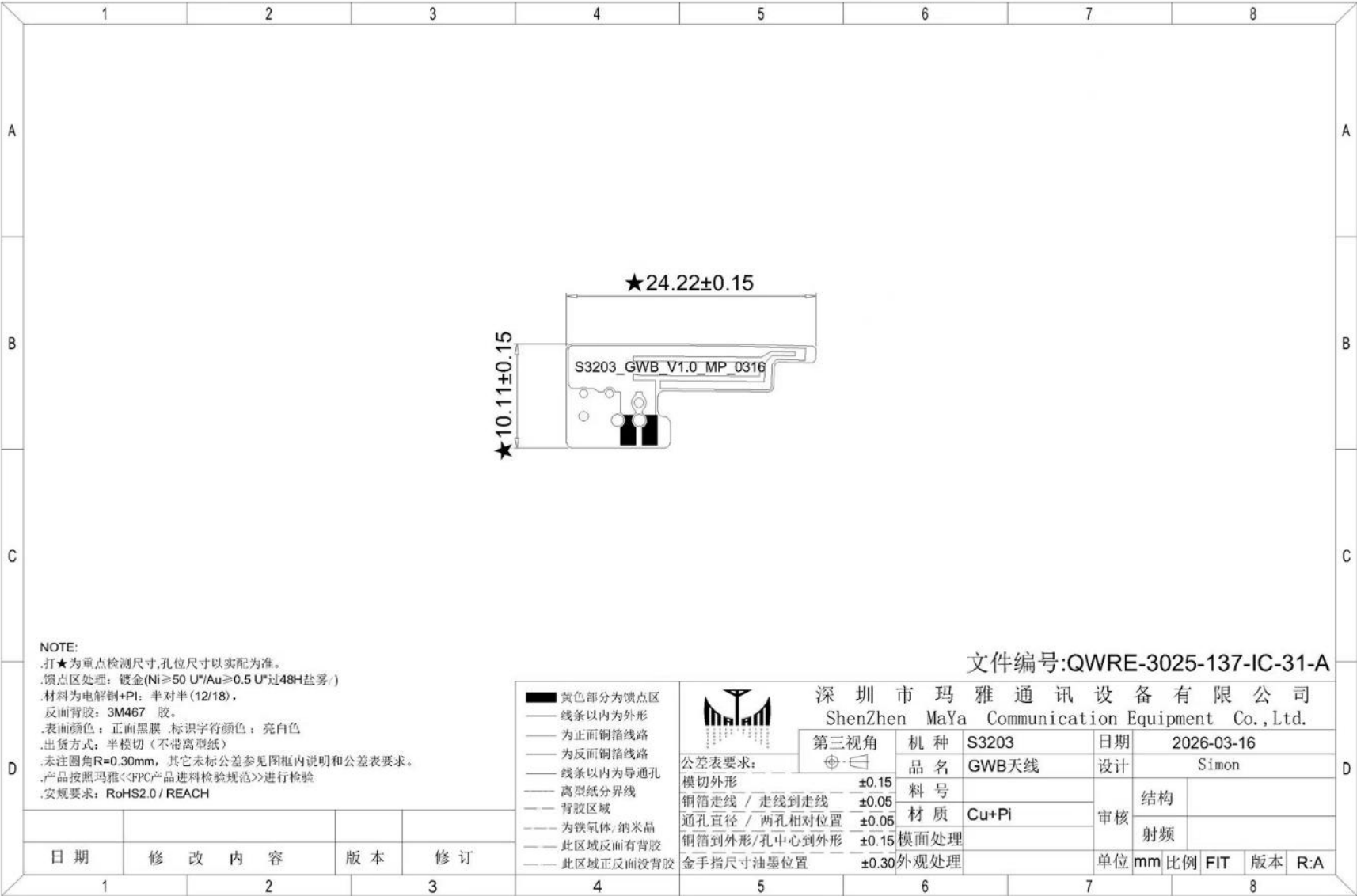


HB





WIFI GPS





Active Report



GSM	TRP	TIS	WCDMA	TRP	TIS	WCDMA	TRP	TIS	WIFI	TRP	TIS
GSM900	25.8		W1	19.3		W8	16.9		B	13.2	
	26.5			19.5			16.2			13.8	
	27.4	-106.0		19.8	-109.6		16.7	-106.4		14.2	-80.54
GSM850	27.9		W2	18.6							
	26.9			18.6							
	26.1	-103.6		19.1	-109.5						
DCS1800	25.4		W4	19.8							
	25.9			19.7							
	26.0	-105.6		19.7	-107.7						
PCS1900	25.7		W5	17.9							
	26.1			18.0							
	26.8	-106.5		17.7	-106.2						



LTE	TRP	TIS	LTE	TRP	TIS	LTE	TRP	TIS			
B1 (10M)	19.8		B12 (10M)	16.0		B38 (10M)	18.1				
	19.8			16.1			17.8				
	20.3	-95.4		16.0	-93.4		17.7	-90.5			
B2 (10M)	19.1		B17 (10M)	15.9		B40 (10M)	19.6				
	19.1			15.9			17.5				
	19.7	-96.1		16.0	-93.4		18.2	-92.7			
B3 (10M)	18.7		B18 (10M)	18.4		B41 (10M)	17.5				
	18.5			18.5			17.3				
	18.8	-95.6		18.4	-93.8		17.2	-90.4			
B4 (10M)	18.7		B19 (10M)	18.5		B66 (10M)	18.5				
	18.5			18.6			18.8				
	18.5	-95.7		18.5	-93.4		18.7	-95.7			
B5 (10M)	18.2		B20 (10M)	18.4							
	18.4			18.3							
	18.0	-93.1		18.3	-93.8						
B7 (10M)	20.0		B26 (10M)	18.1							
	19.2			18.4							
	18.7	-91.6		18.2	-93.3						
B8 (10M)	17.3		B28 (10M)	16.0							
	16.4			16.0							
	15.9	-93.4		15.6	-93.6						



Conclusion



1. This report is the sample antenna test results .
2. If you have any questions, please call.

THANK YOU



If you have any questions, please contact us
Daily service hours : Monday to Saturday 9:00-18:00
Switchboard Hotline : 0755-36615535 Fax: 0755-82916227
 website : www.mayaant.com

Confidentiality requirements

Shenzhen Maya communication equipment Co., Ltd. has owned the information provided by the proprietary technology and is not allowed to disclose it to any person or company without the prior written consent of Shenzhen Maya communication equipment Co., Ltd.