



S6323C Antenna Test Report

Date: 2026.04.16

Room 205, Building 1, AI Digital Valley, Taoyuan Community, Dalang Subdistrict, Longhua District, Shenzhen, Guangdong, P.R.China, 518109

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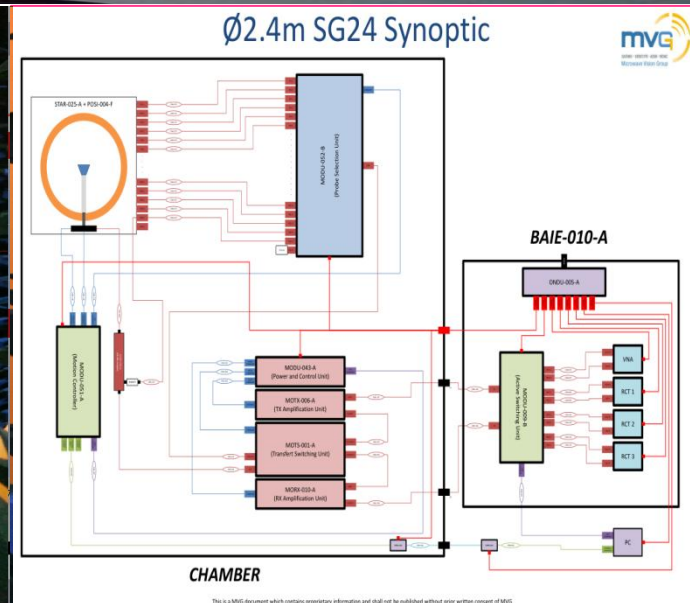
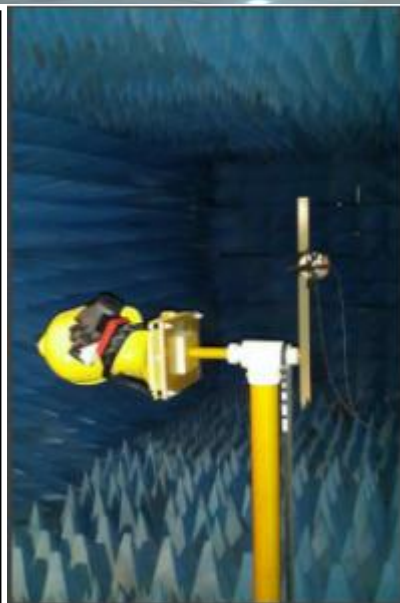
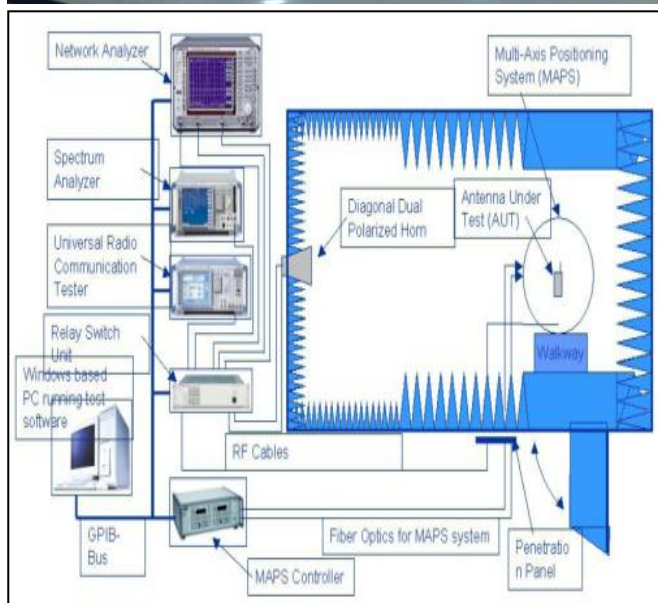
Project Overview



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	2026.04.16	Antenna test report

Test Environment



Darkroom system : MVE 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

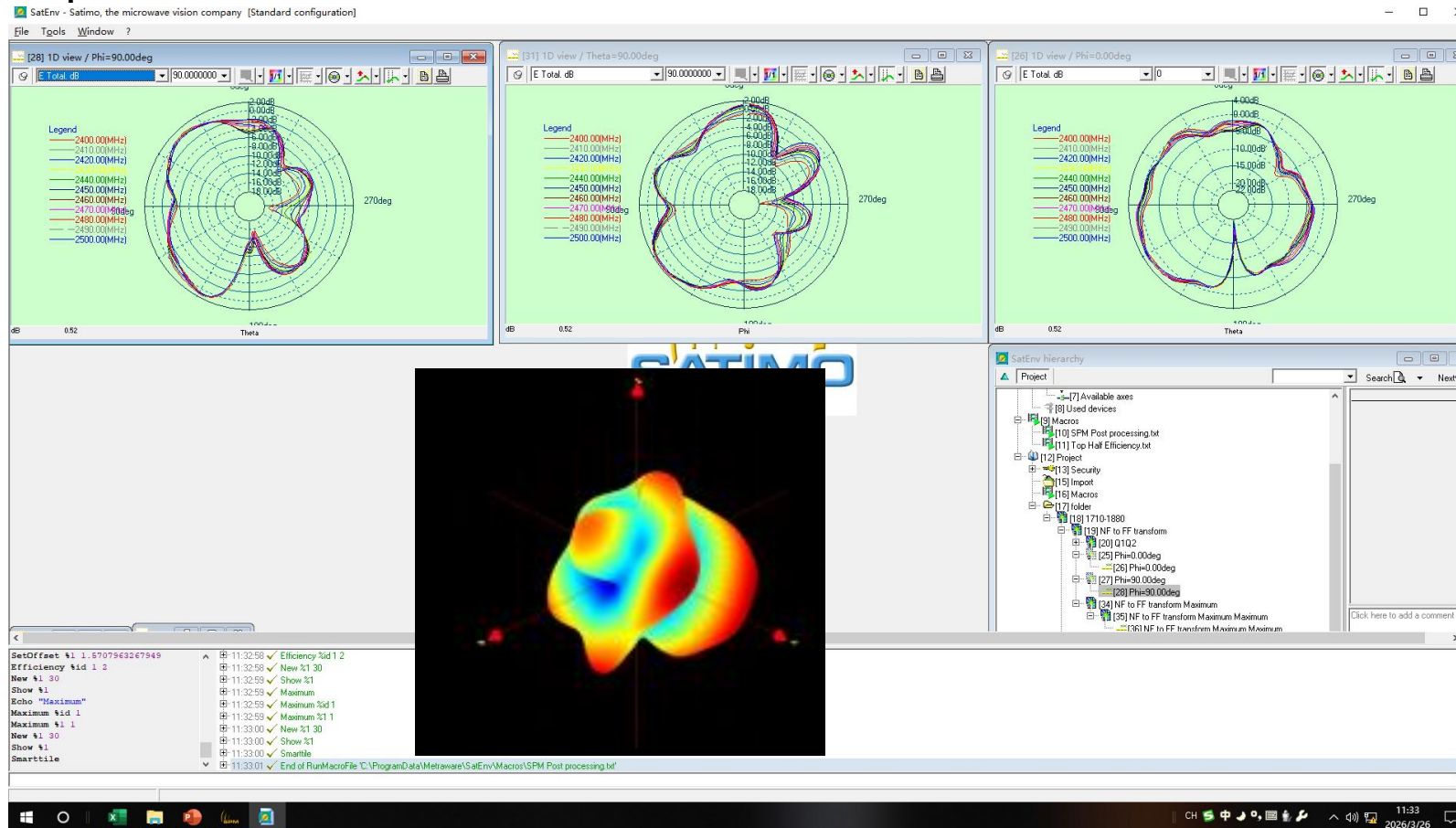
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

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

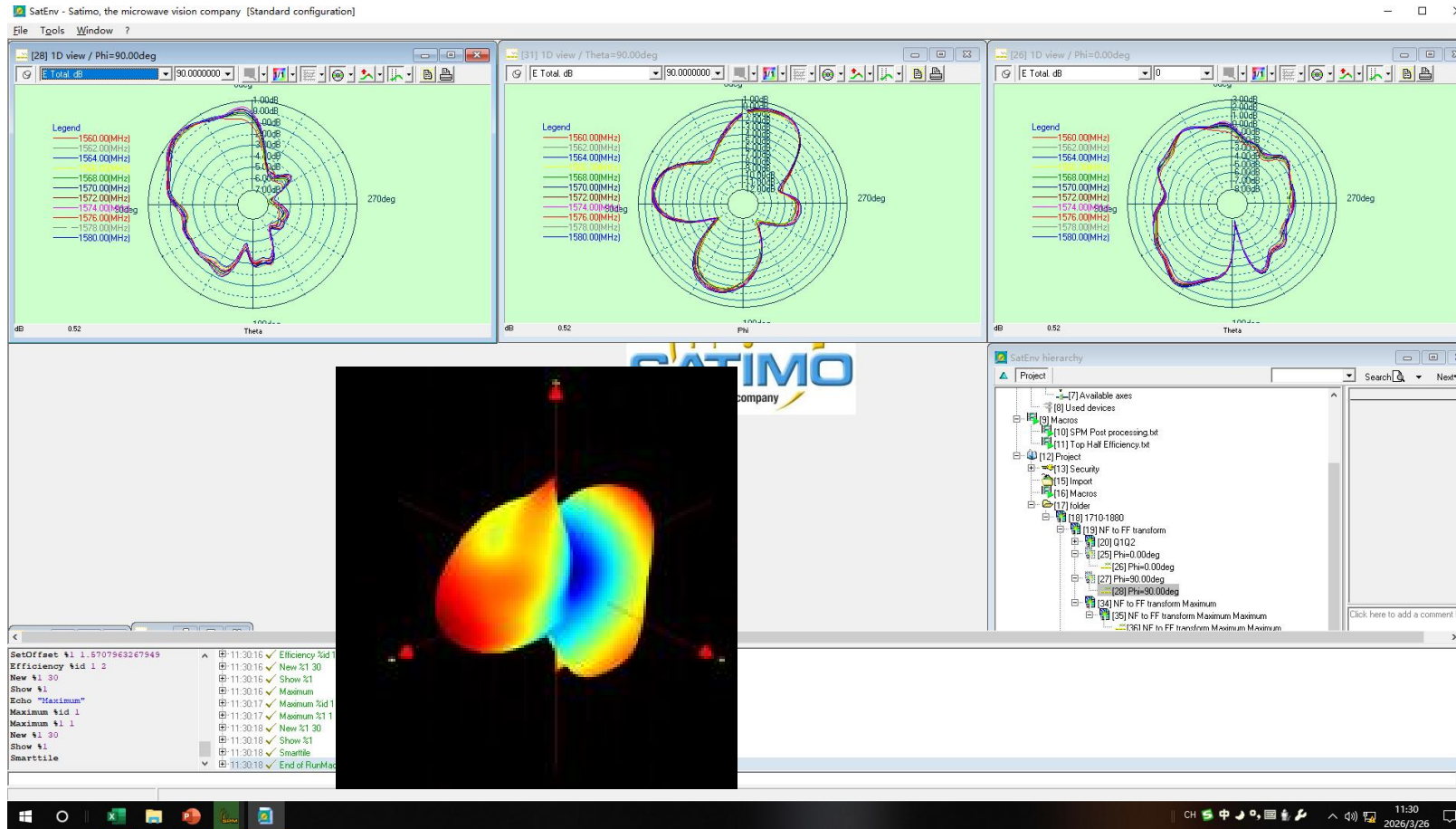
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)

WIFI 2.4G Passive pattern



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

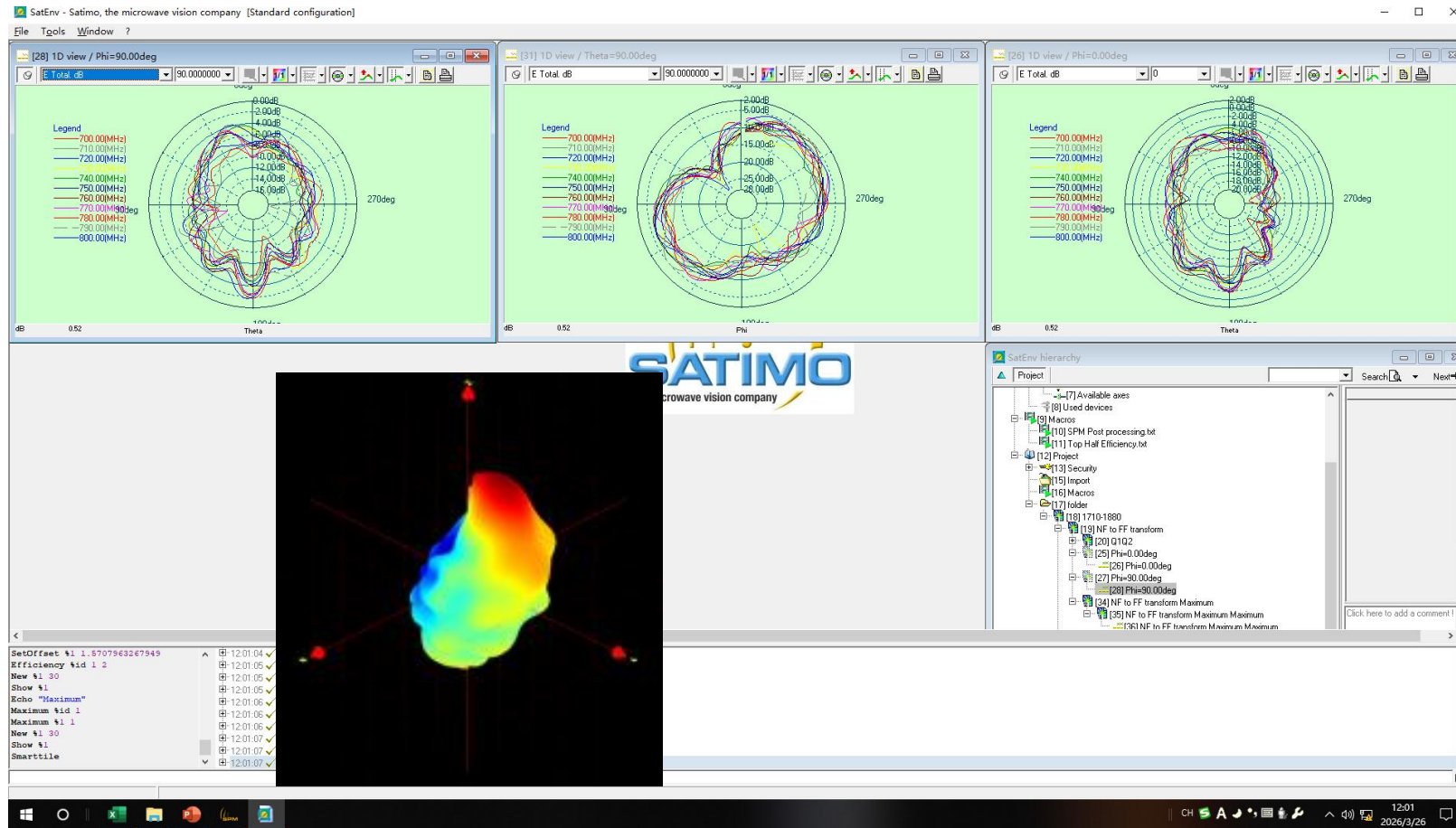
GPS Passive pattern



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

4G Passive pattern

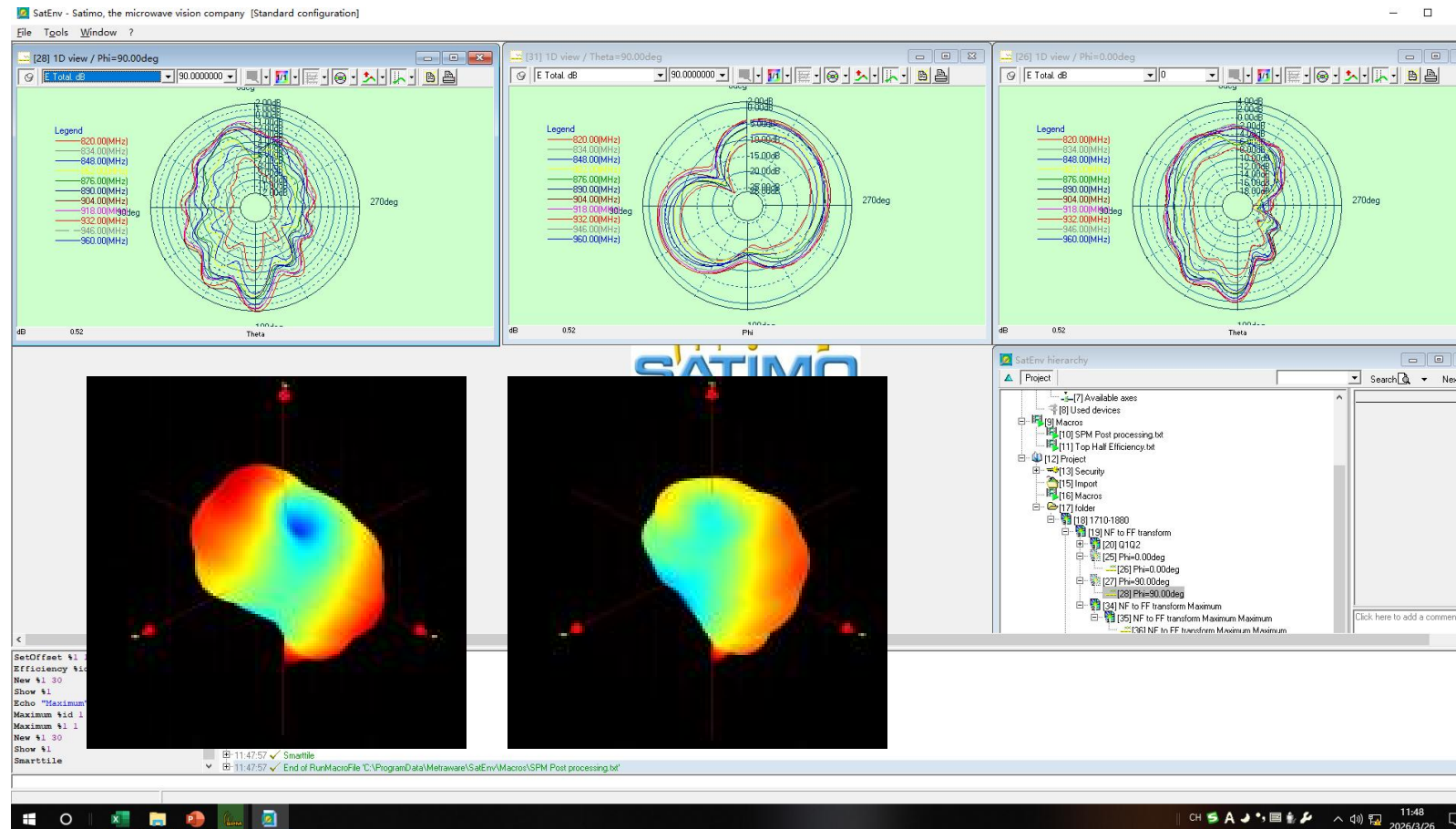
700-800MHz



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

4G Passive pattern

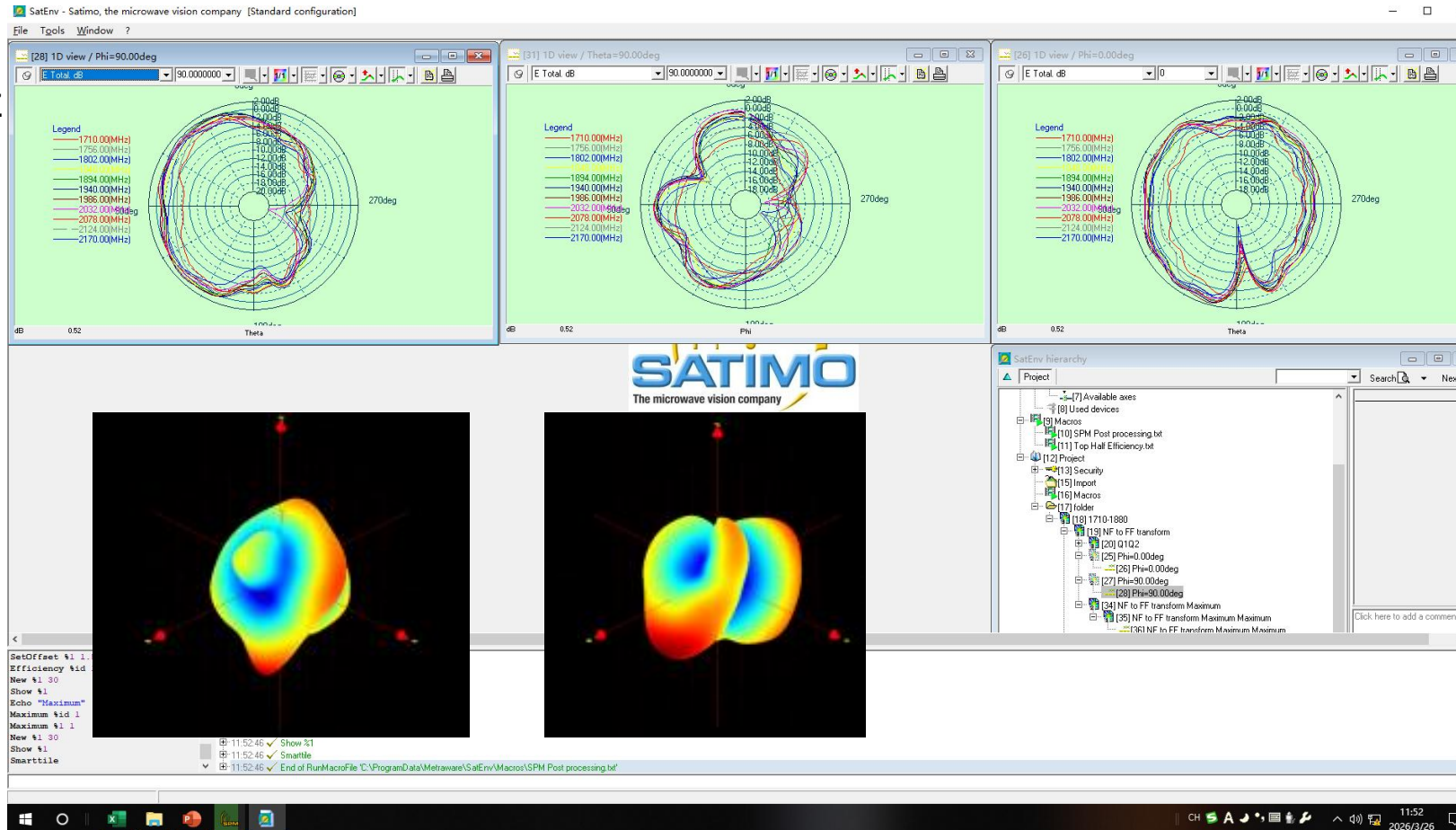
820-960MHz



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

4G Passive pattern

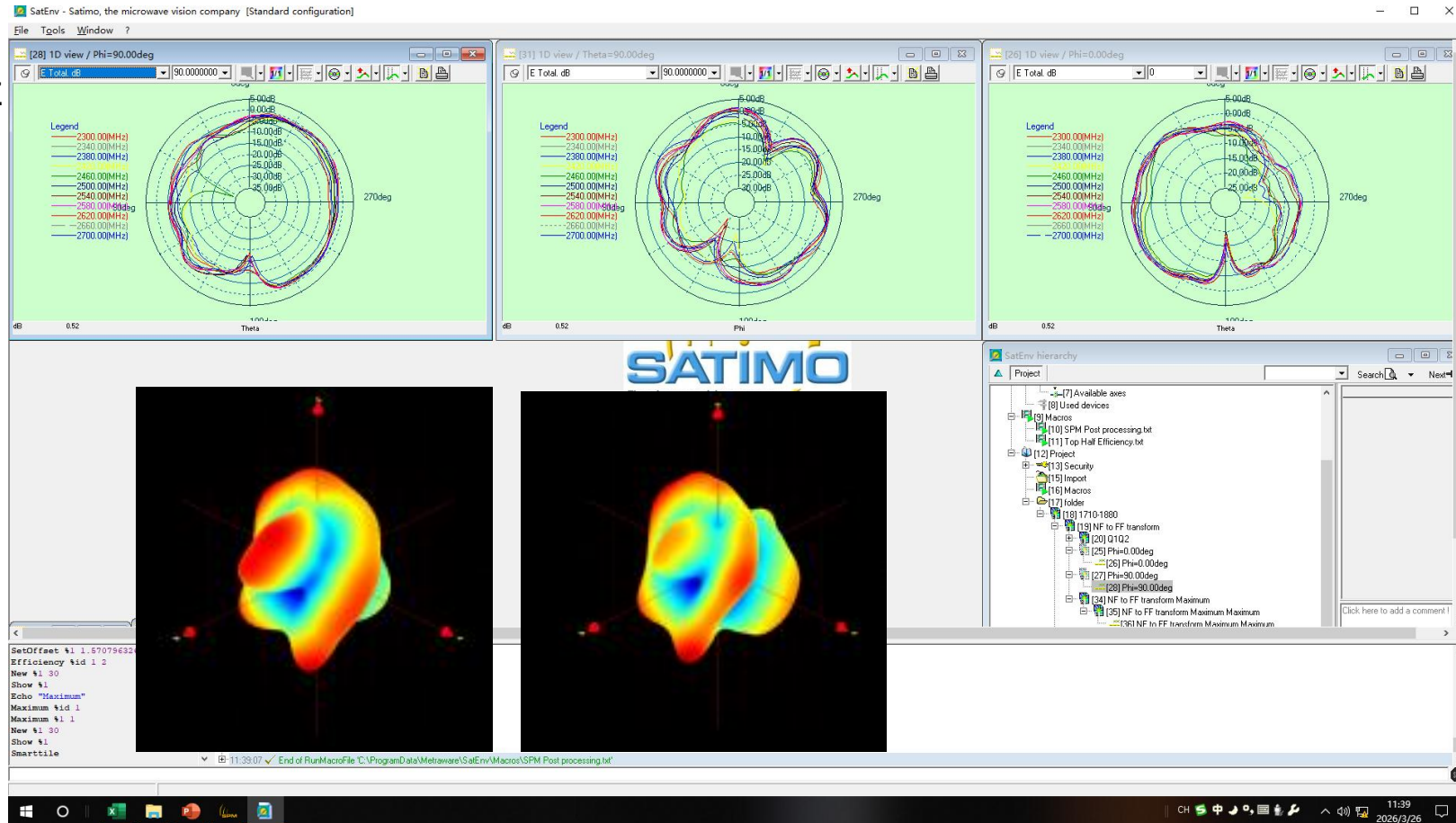
1710-2170MHz



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

4G Passive pattern

2300-2700MHz



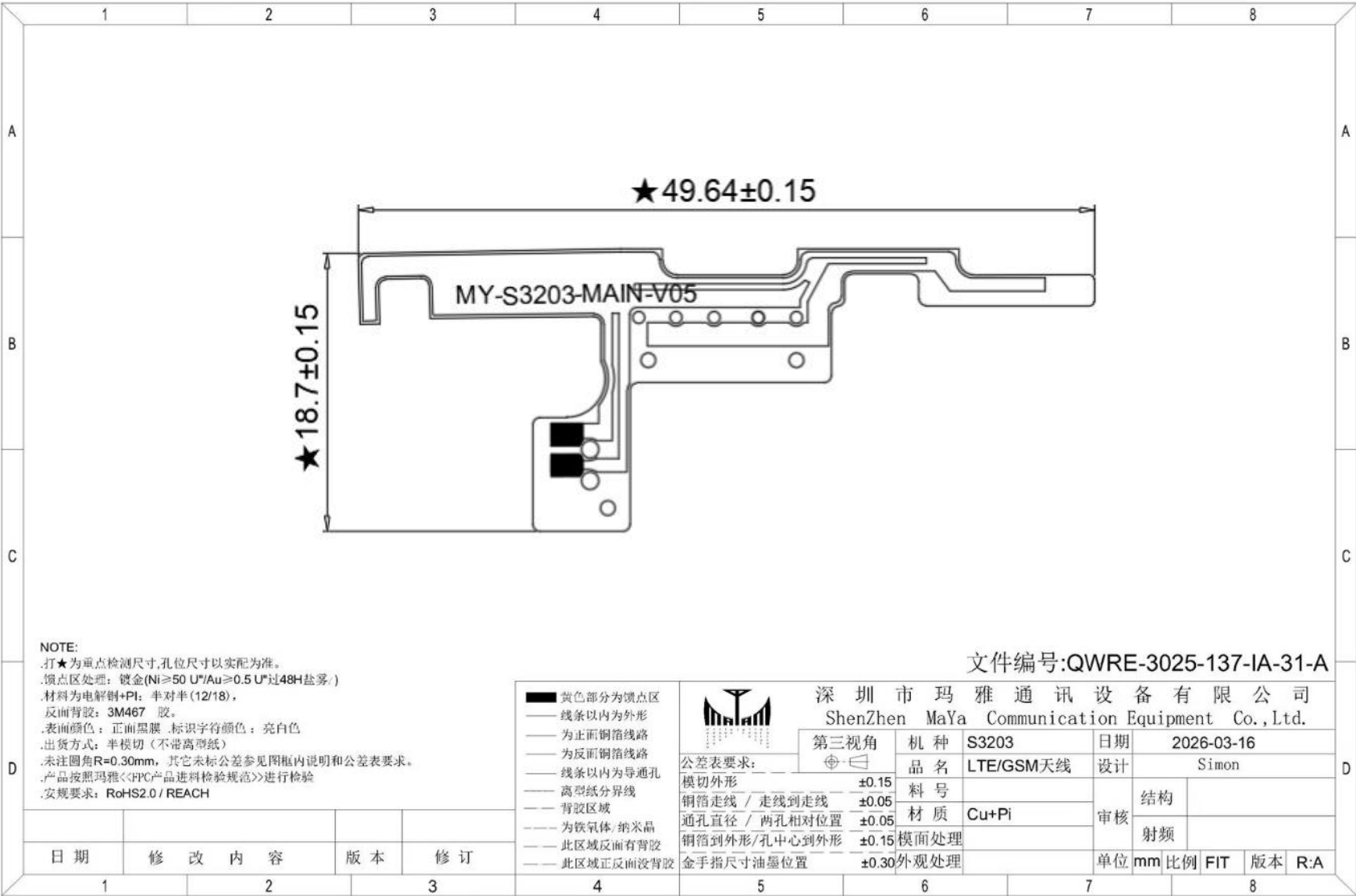
Measuring instrument : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer Darkroom system : MVG SG24LT (Satmio)



Passive Report



LMB

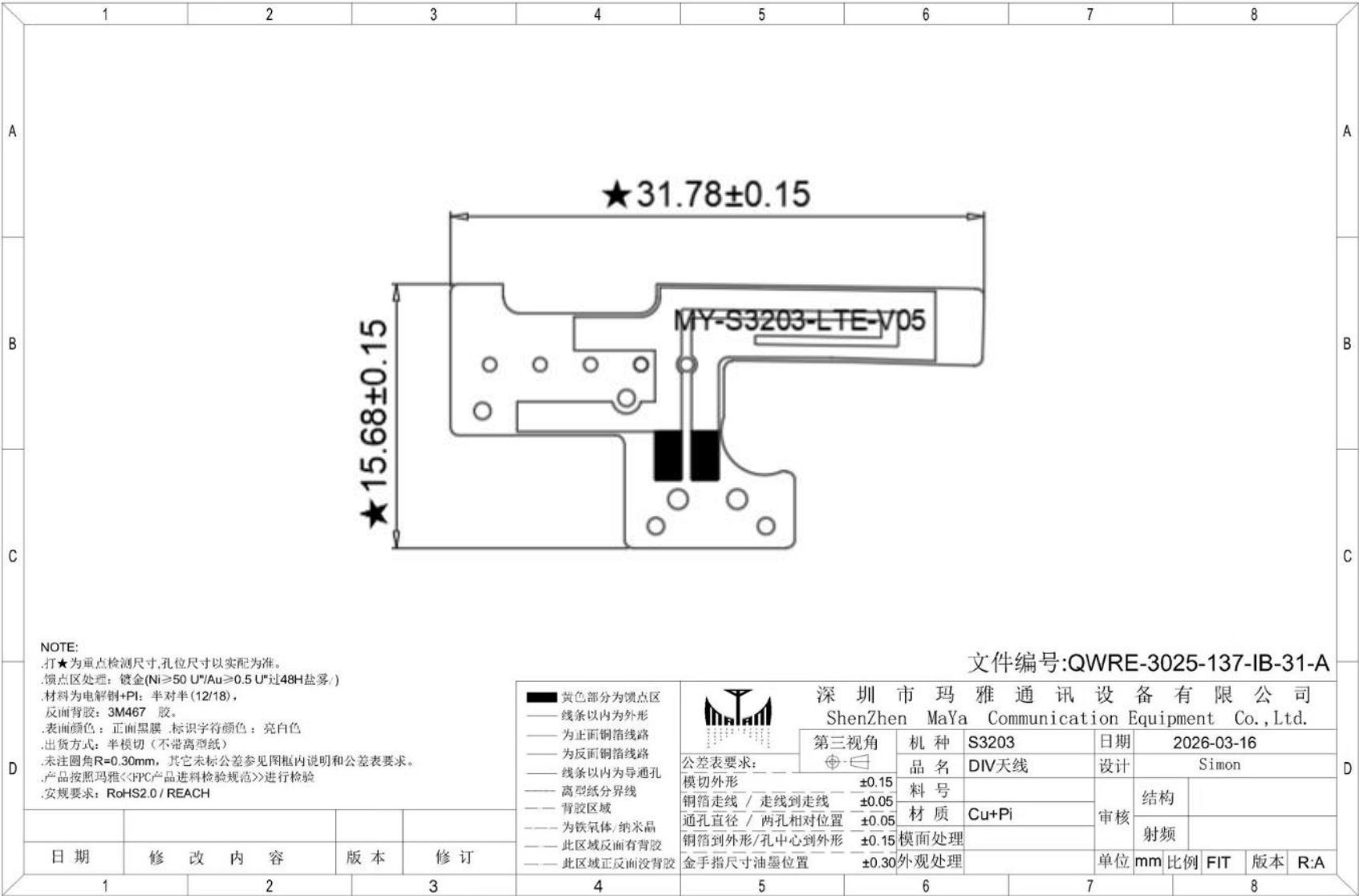




Passive Report

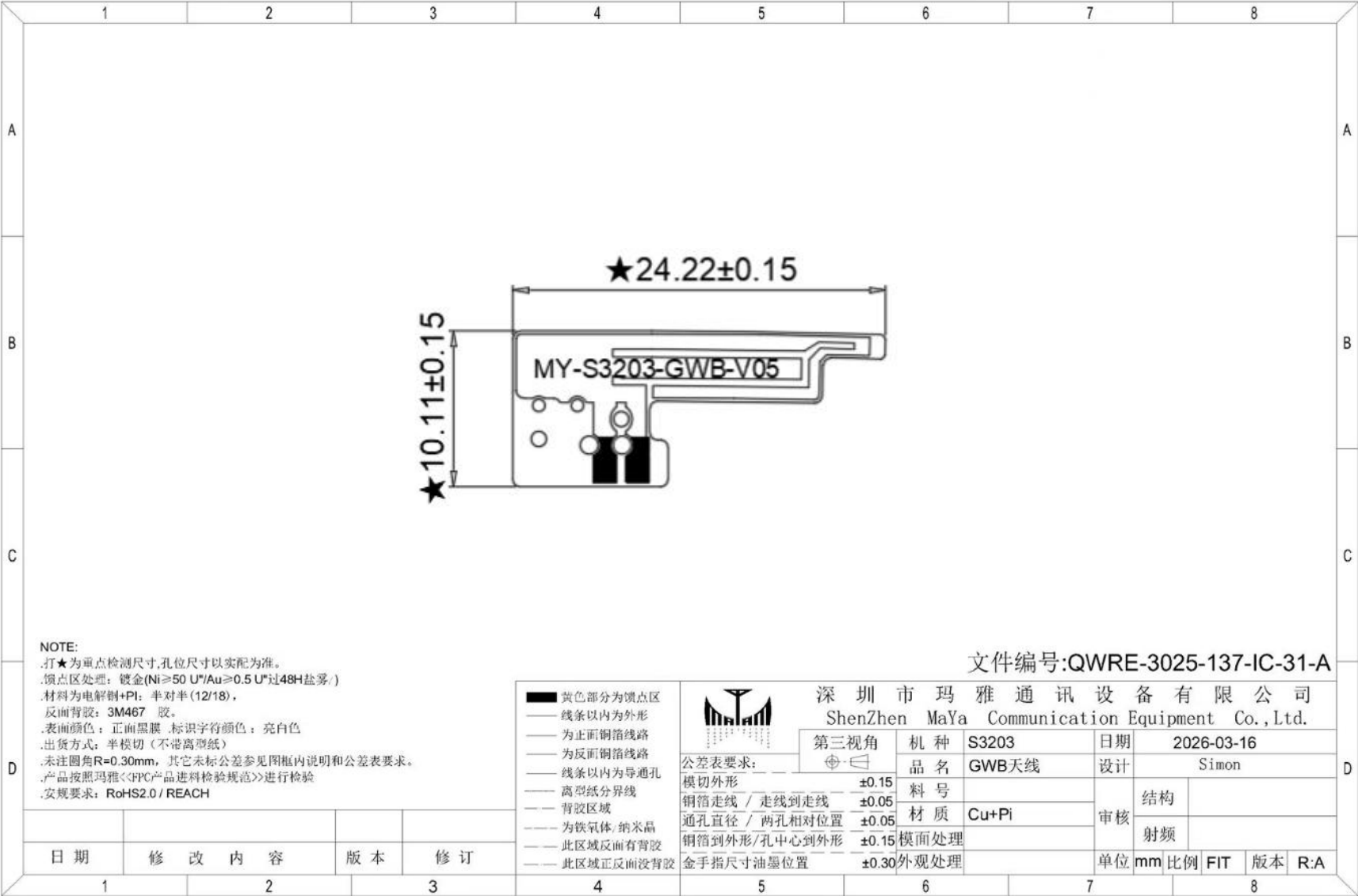


HB





WIFI GPS





Active Report



GSM	TRP	TIS
GSM900	28.79	
	28.28	
	27.71	-103.17
GSM850	25.19	
	25.97	
	26.5	-105.53
DCS1800	25.63	
	26.54	
	26.47	-109.01
PCS1900	26.01	
	26.27	
	27.29	-111.32

WCDMA	TRP	TIS
W1	20.89	
	21.29	
	21.54	-108.89
W2	19.79	
	19.92	
	20.67	-111.74
W4	19.55	
	19.77	
	19.86	-109.18
W5	19.31	
	19.57	
	19.22	-107.08

WCDMA	TRP	TIS
W8	18.73	
	18.07	
	18.08	-107.07

WIFI	TRP	TIS
B	13.14	
	13.55	
	14.84	-81.53



Active Report



LTE	TRP	TIS	LTE	TRP	TIS	LTE	TRP	TIS			
B1 (10M)	20.81		B12 (10M)	16.24		B38 (10M)	20.04				
	21.05			16.36			20.13				
	21.34	-95.91		16.2	-95.21		20.25	-91.59			
B2 (10M)	19.67		B17 (10M)	16.04		B40 (10M)	19.54				
	19.74			16.12			18.95				
	20.56	-97.88		16.13	-95.13		19.4	-92.81			
B3 (10M)	19.45		B18 (10M)	17.08		B41 (10M)	20.18				
	19.51			17.09			20.17				
	19.48	-96.21		17.2	-94.95		20.13	-91.3			
B4 (10M)	19.38		B19 (10M)	18.78		B66 (10M)	18.42				
	19.41			18.72			18.5				
	19.47	-96.19		18.53	-94.51		18.52	-96.39			
B5 (10M)	18.54		B20 (10M)	18.84							
	18.93			18.8							
	18.38	-93.18		18.82	-93.71						
B7 (10M)	19.77		B26 (10M)	18.47							
	18.29			18.86							
	19.68	-91.74		18.51	-93.2						
B8 (10M)	18.07		B28 (10M)	16.15							
	17.46			16.17							
	17.43	-93.76		16	-94.13						



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

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 website : www.mayaant.com

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