



Aoni E95KJ62 - Antenna Test Report

Antenna Test Report

Report Date: 2026年2月26日 星期四

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Summarize

Project Overview



**Main antenna
design
frequency
band :**

main antenna design
spectrum

WIFI 2.4G 5.8G

Antenna type :

Type of antenna

PIFA

**Report
Version :**
Report version

date
Date

content
Content

V1

2021.07.28

Antenna Passive Test Report

V2

2021.07.31

Active Antenna Test Report

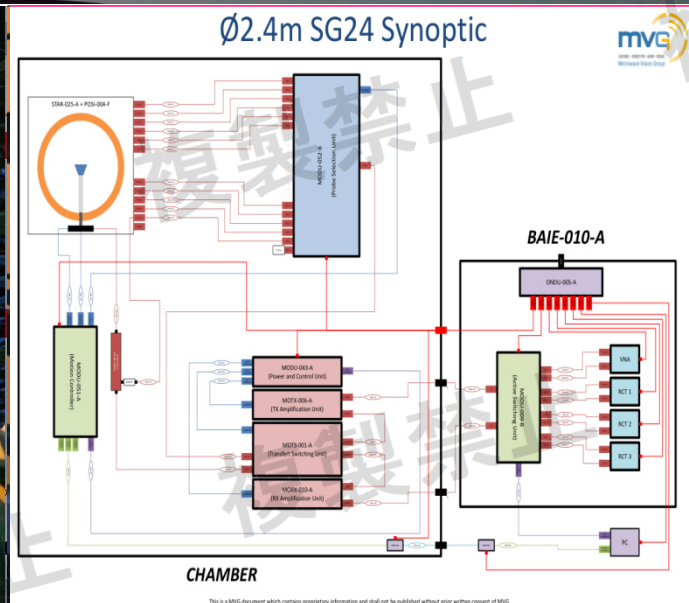
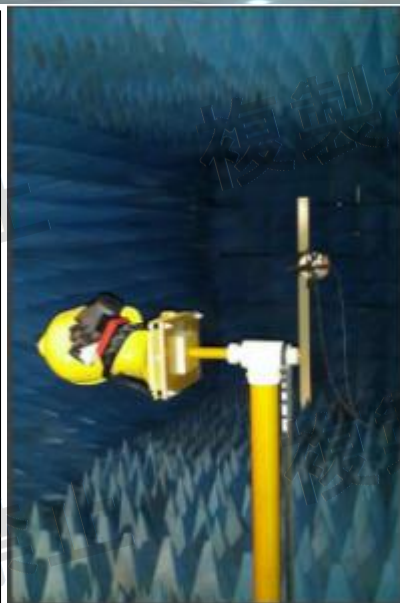
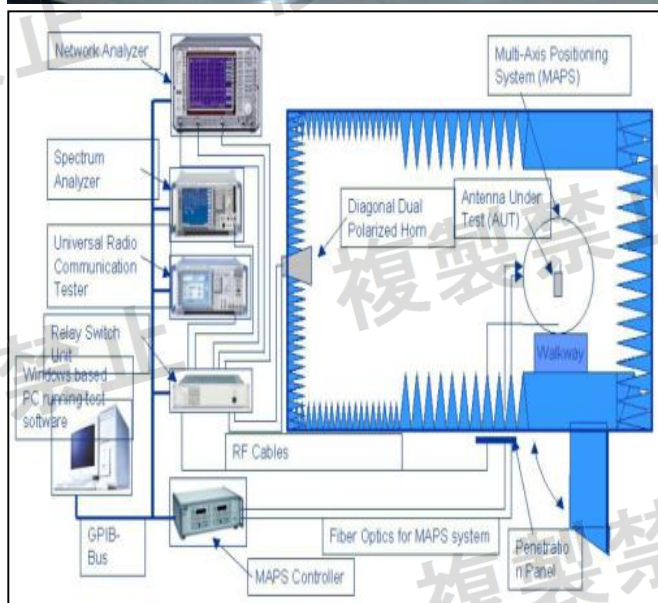
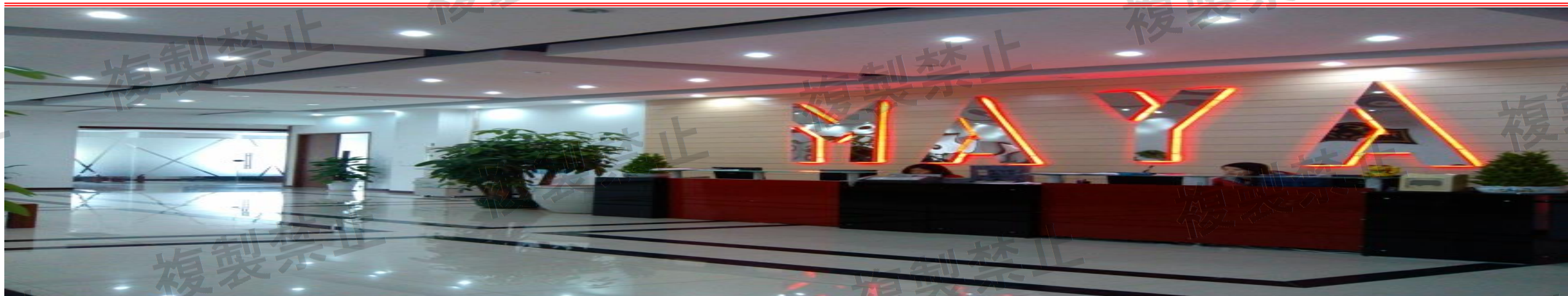
V3

2026.1.9

Antenna report

Test Environment

Test environment

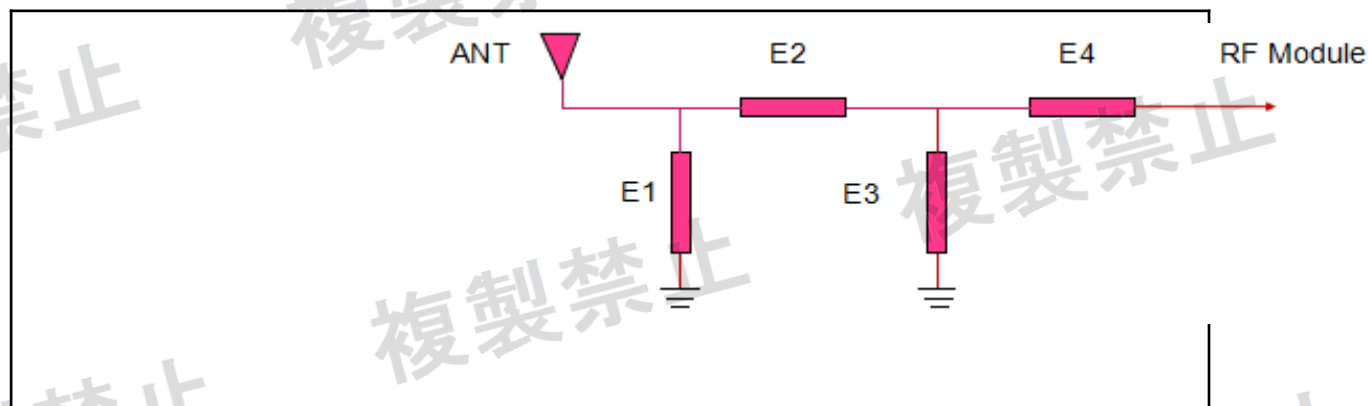


Three far-field 3D full-wave microwave anechoic chamber laboratory systems, and one MVG SG24LT (Satmio) near-field 3D microwave

Matching circuit

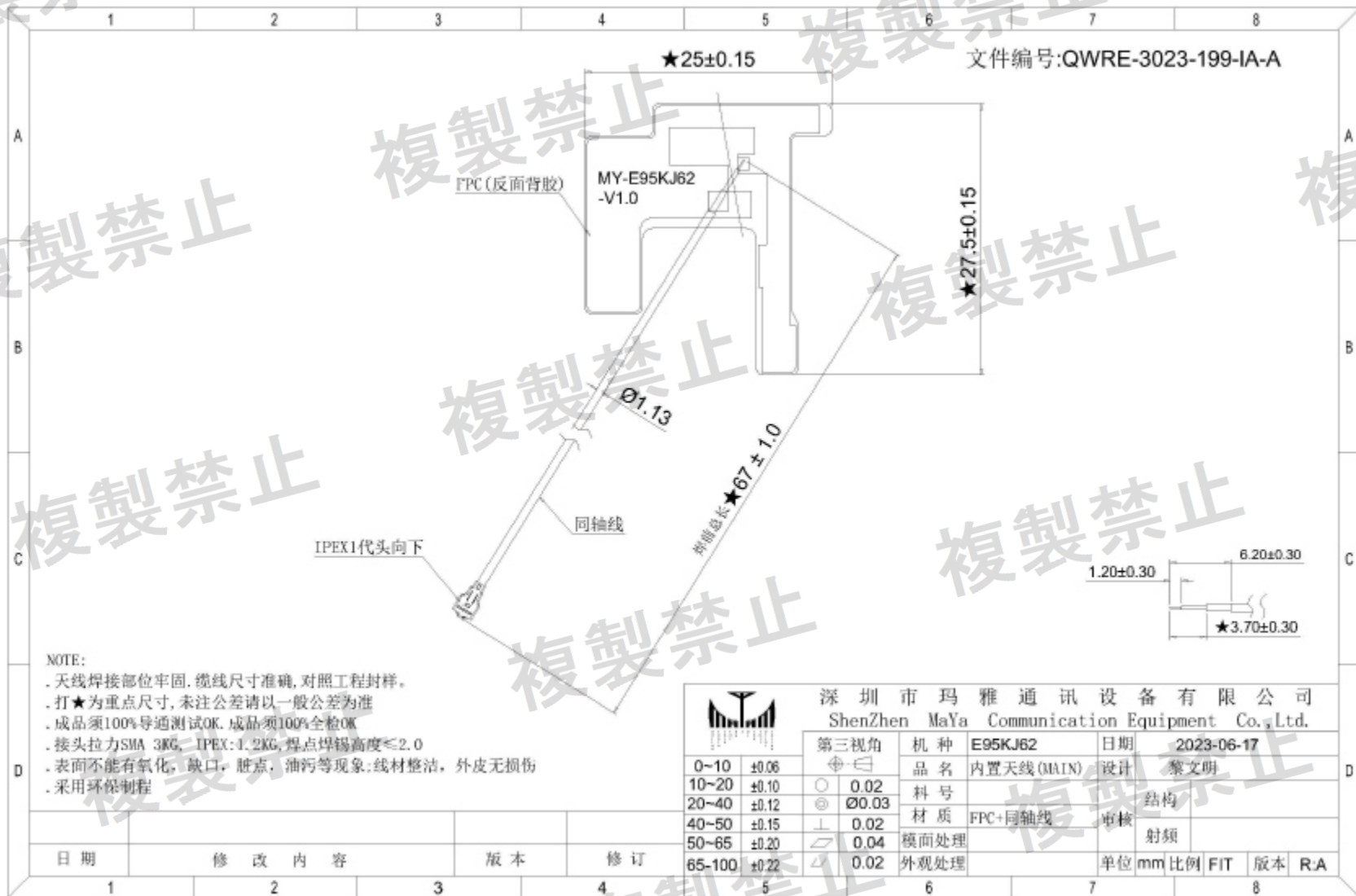


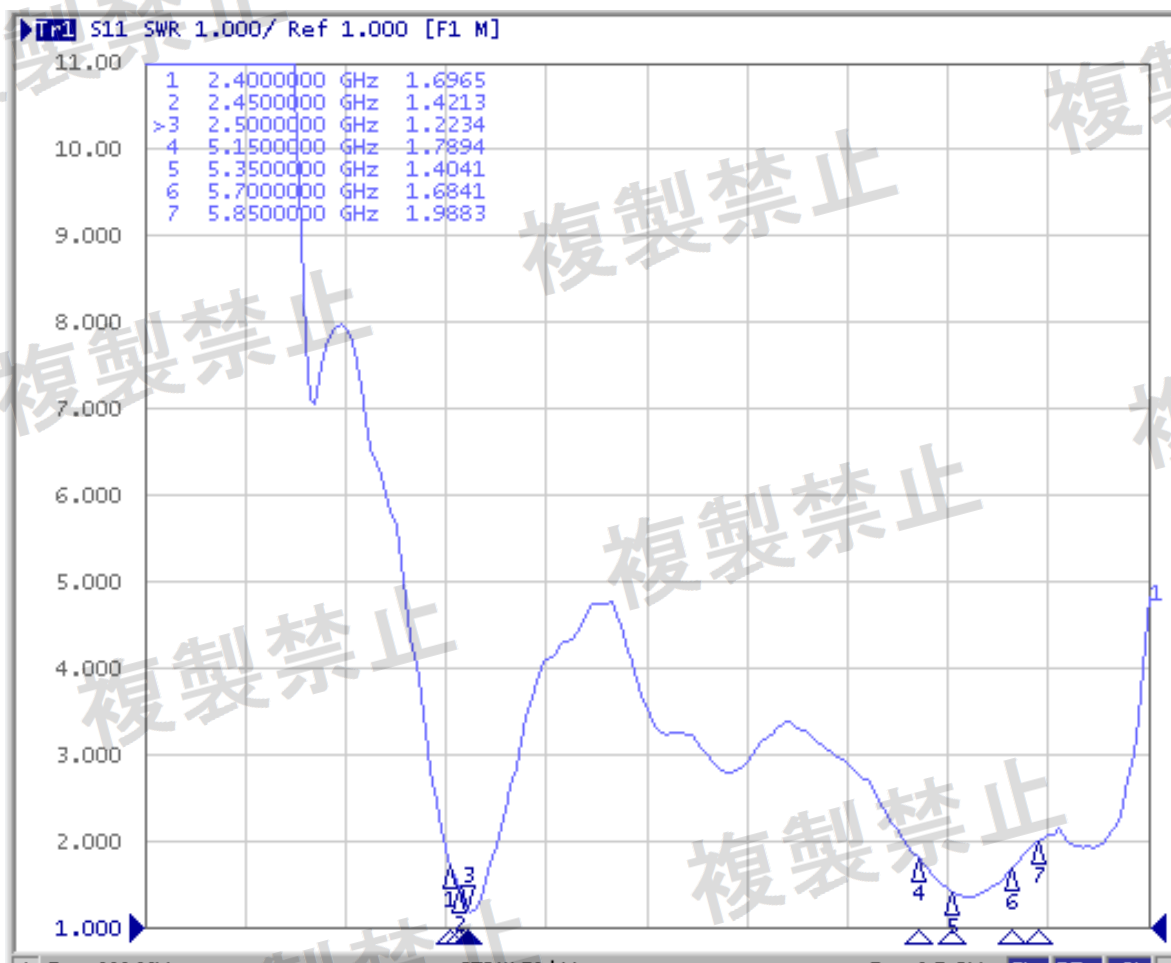
Antenna design antenna design	
element E lement	value Value
E1 (0201) :	NC
E2 (0201) :	NC
E3 (0201) :	NC



Note : Matching parameters remain unchanged.

Antenna size diagram





WIFI passive VSWR parameters

Passive parameters of **the WIFI antenna**: VSWR screenshot measurement instrument: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer

Passive Report



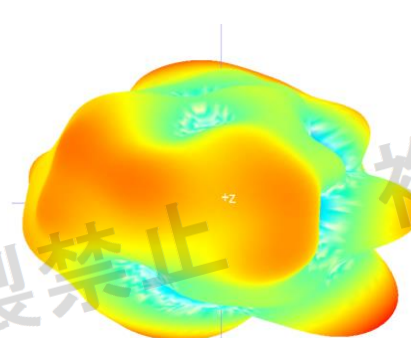
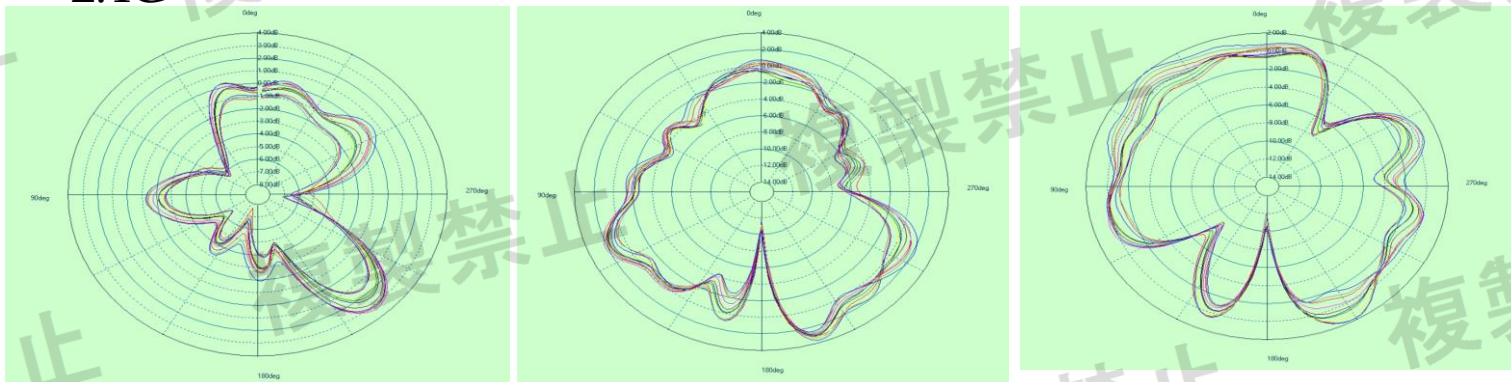
Frequency (GHz)	efficiency (%)	Gain (dBi)	Frequency (GHz)	efficiency (%)	Gain (dBi)	Frequency (GHz)	efficiency (%)	Gain (dBi)
2.4	66.5	3.5	5.15	44.3	3.1	5.72	44.6	3.4
2.41	66.4	3.3	5.2	48.2	3.6	5.74	45.4	3.3
2.42	66.3	3.9	5.25	50.2	3.8	5.76	51.4	3.8
2.43	70.1	3.5	5.3	44.5	3.2	5.78	51.2	3.7
2.44	70.1	3.2	5.35	42.6	3.9	5.80	52.4	3.5
2.45	71.7	3.9	5.4	43.7	3.6	5.82	53.1	3.8
2.46	75.1	3.3	5.45	46.3	3.3	5.84	51.6	3.9
2.47	75.4	3.8	5.5	51.2	3.7	5.85	49.6	3.9
2.48	76.4	3.9	5.6	50.1	2.9			
2.49	75.3	3.5	5.65	43.5	3.1			
2.50	74.5	3.1	5.7	40.9	3.5			

Passive efficiency gain

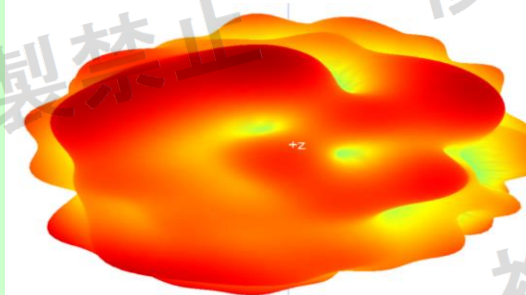
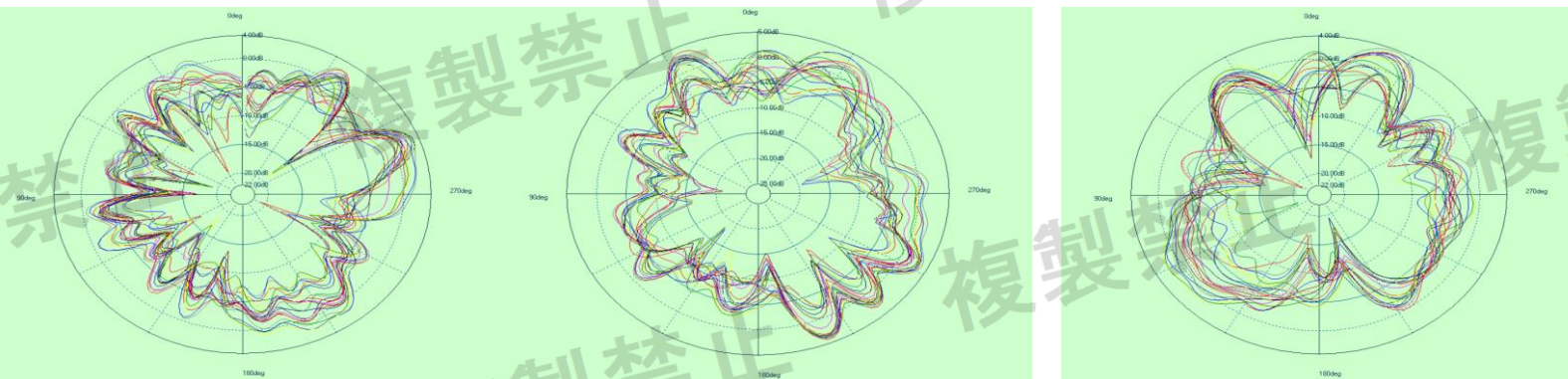
Passive efficiency gain measurement instrument for BT antennas : Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer;
Anechoic chamber system: MVG SG24LT (Satmio).

Directional chart

2.4G



5.8G



Measuring instruments: Agilent Technologies E5071B 300kHz-8.5GHz ENA Series Network Analyzer; Anechoic chamber system: MVG SG24LT (Satmio)

	BAND	2.4G-WIFI-B (11Mbit/s)			
WIFI	CHANNEL	L	M	H	standard
	TRP	16.62	17.24	17.38	14
	TIS	/	/	-81.57	-80
	BAND	5G-WIFI-A (54 Mbit/s)			
	CHANNEL	L	M	H	standard
	TRP	14.53	14.84	15.53	12
	TIS	/	/	-74.07	-72



Summarize



1. The above is the antenna test report.
2. If you have any questions, please contact us by phone .

Thanks

Thank you

Please contact us if you have any questions.

Regular service hours: Monday to Saturday, 9:00 AM - 6:00 PM

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