

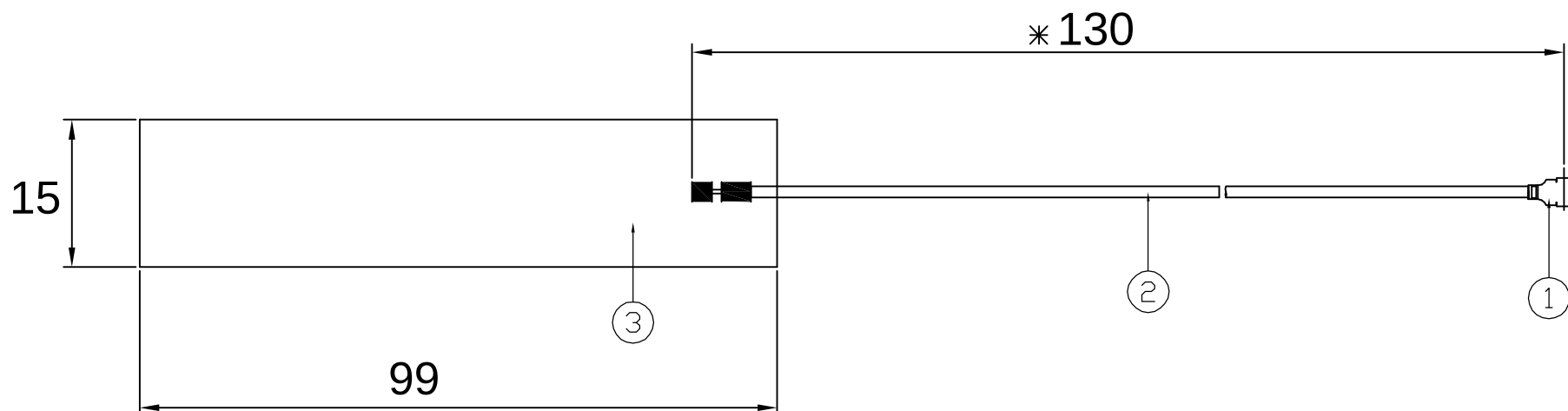
天线规格

Antenna Specifications

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RoHS
Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



Note:

- 1.Take" * "is the important dimension.
- 2.Tolerance:Unmarked tolerance refer to the standard tolerance please.
- 3.Pull Strength of the connector must be $\geq 1.0\text{kg}$.
- 4.Note Connector orientation.

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3	FG9914	FPCB	FPCB 99*14mm	1
2	R-CB-113B	Cable	O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

TITLE:5G ANTENNA				
PART NO.: FG9914-113B-250LX			DWG NAME:FG9914-113B-250LX.DWG	
APPROVED BY	CHECKED BY	DESIDNED BY		Tolerance
jeff 2021-09-04	leon 2021-09-04	YD 2021-09-04	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

电性测试报告

Test Reports

Electrical Properties	
Frequency	800-6000MHz
Impedance	50 Ohm Nominal
V.S.W.R	$\leq 3.0@800-6000\text{MHz}$
Radiation	Omni-directional
Gain (Peak)	5dBi
Cable Loss	2 dB / m Max
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	Mini Connector
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 130 mm
Operating Temp.	-30 ~ +60 °C
Storage Temp.	-35 ~ +70 °C
Cable Color	Black

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DongGuan S-MAC Co., Ltd.

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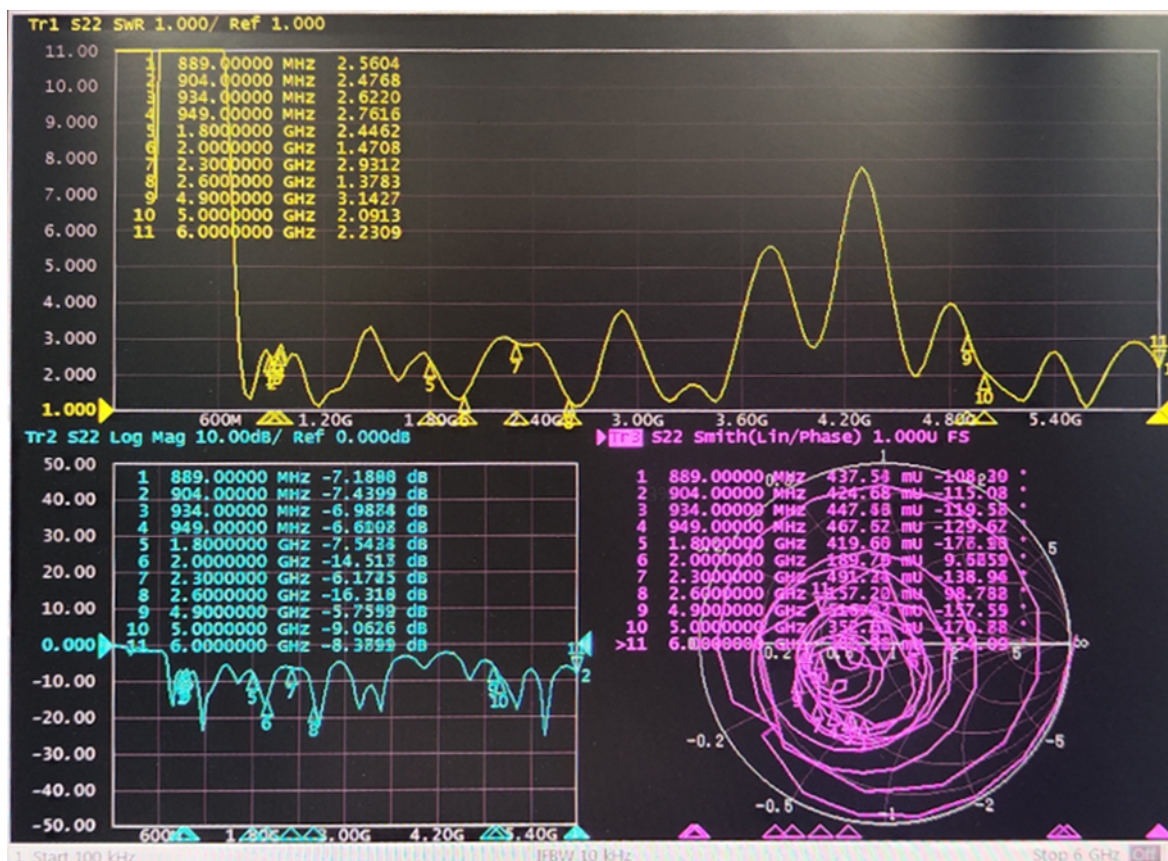
Hengtang Road, Sanhe Industrial Zone, Hengkeng, Liaobu Town, Dongguan, China

Tel:0769-33691210 Fax:0769-82381572

S 参数测试

S Parameter Test

Agilent E5071C



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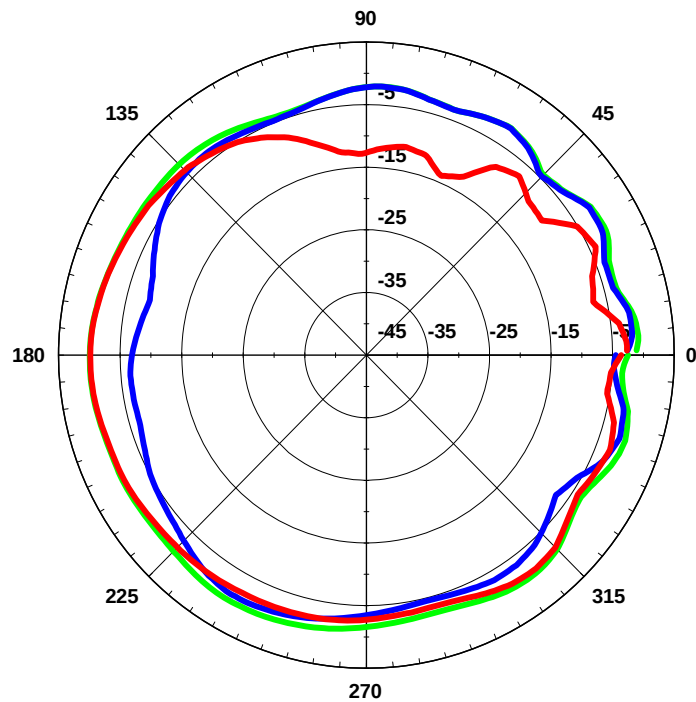
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增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



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ciency and Gain

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-19.18	-19.17	-19.11	-19.01	-18.79	-18.58	-18.14	-18.05	-18.24	-17.99	-17.92
Gain (dBi)	4.41	4.41	4.10	4.77	4.63	5.00	4.55	4.49	4.05	4.24	4.16
Efficiency (%)	1.21	1.21	1.23	1.26	1.32	1.39	1.53	1.57	1.50	1.59	1.62

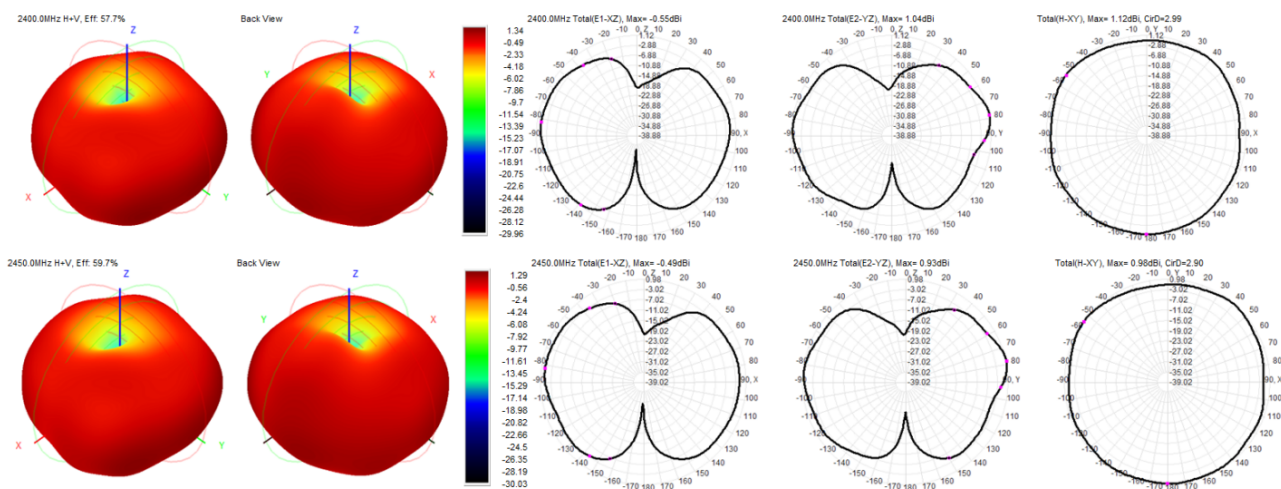
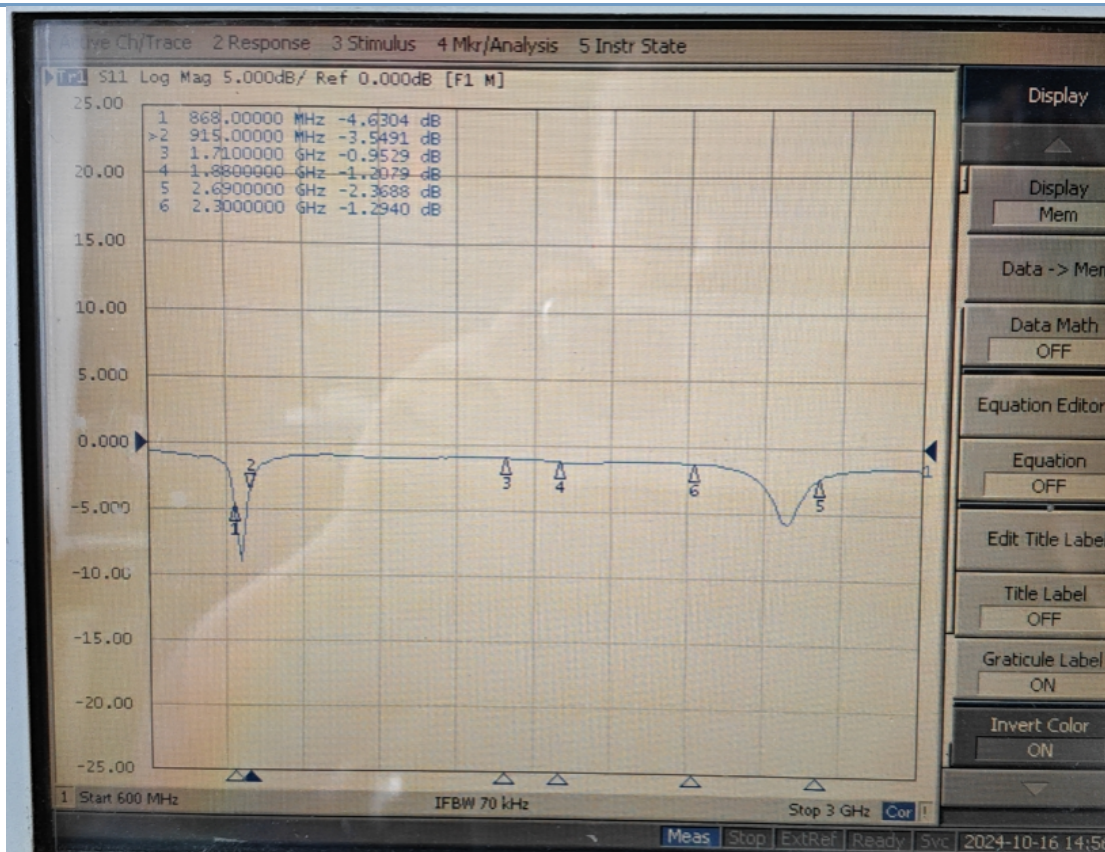
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