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Customer Name	Fibocom Wireless Inc.
Manufacturer	Shanghai Desiqin Communication Technology Co., Ltd.
Manufacturer Address	No. 1, Building 1, Haikun Road, Fengxian District, Shanghai
Project	ST151L-GL
Antenna Model Name	DSQ-U100-V06
Antenna Type	PIFA
Input Resistance	50 Ω
Test Date	2026.4.18
Approve Date	2026.4.21
Approve Sign	

1. Antenna Specification/天线技术参数

1.1: Electrical Specification/电气特性

Freq.Range/频段范围（MHz）	2400-2500MHz;5150-5850MHz
Impedance/阻抗（Ω）	50
VSWR/驻波比	≤2
Directional/辐射方向	Omni directional
Polarization/极化方式	Linear
Peak Gain/峰值增益（dBi）	1.73

1.2: Mechanical Specification/机械指标

Material/材质	PIFA
Size/尺寸	18*10.23*0.12mm

1.3: Environmental Specification/环境指标

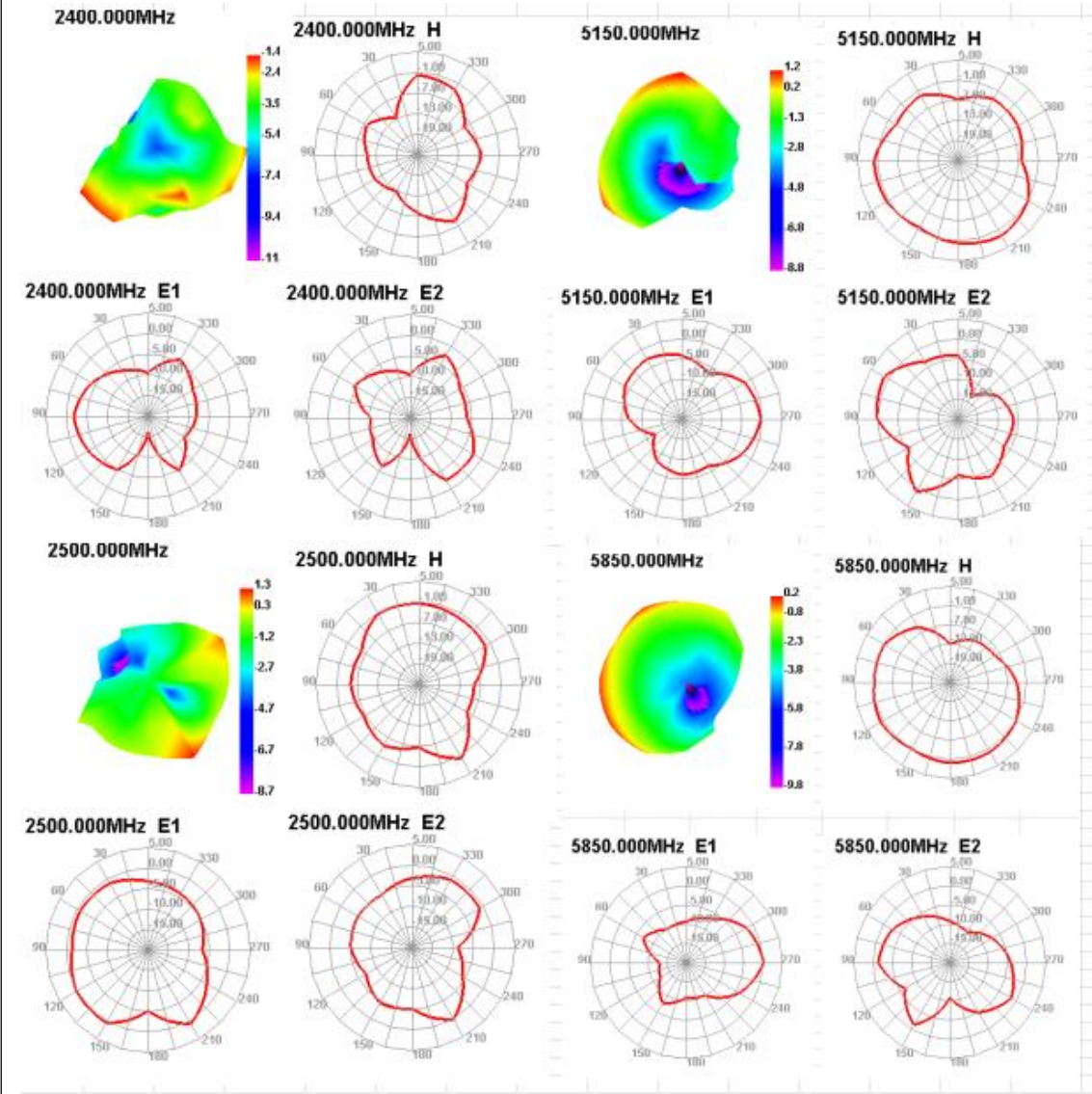
Operation temp/工作温度	-30~65℃
storage temperature/储存温度	-30~65℃

3. Test Report/测试报告

3.1: Antenna efficiency and gain/天线效率与增益

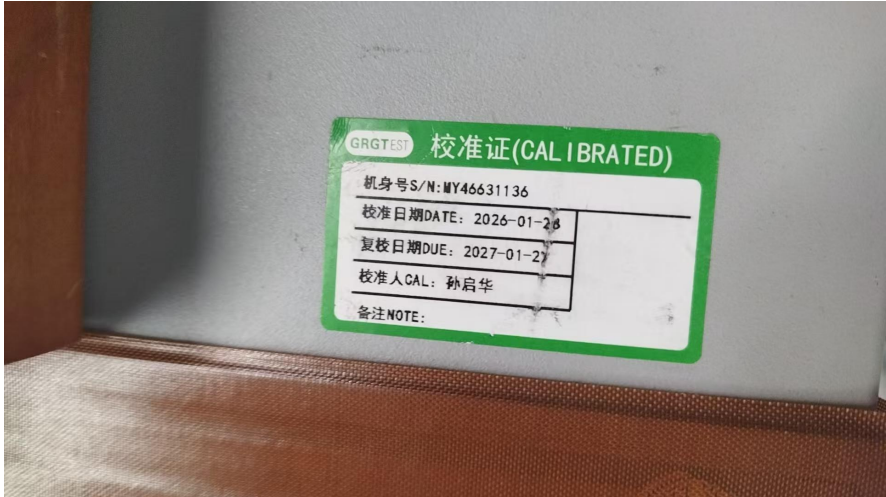
Gain&Efficiency 增益、效率		
Frequency 频率(MHz)	Gain 增益 (dBi)	Efficiency 效率(%)
2400	-0.99	55.21
2410	0.21	52.27
2420	0.42	52.35
2430	0.33	50.48
2440	0.38	52.84
2450	0.17	55.13
2460	0.33	54.07
2470	0.38	54.67
2480	0.13	51.76
2490	0.14	50.81
2500	0.22	52.29
5150	0.24	50.59
5220	0.22	48.34
5290	0.01	44.76
5360	-0.2	45.71
5430	0.66	46.59
5500	0.5	46.99
5570	0.706	45.76
5640	0.62	50.47
5710	0.67	52.74
5780	1.73	51.19
5850	1.28	50.5

3.2 :Directionaldiagram/方向图



3.3 :Test environment/测试环境

Agilent E5071B
Calibration date : 2026.01.28
Due date: 2027.01.27



SP9500:
Calibration date : 2025.12.01
Due date: 2026.11.30



Agilent 8753E
Calibration date : 2025.05.19
Due date: 2026.05.18

