

深圳市隆讯科技有限公司
Shenzhen Longxun Technology Co., LTD

SPECIFICATION FOR APPROVAL

Custom :
DRAGONGLASS TECHNOLOGY(SHENZHEN)CO.,LTD.

产 品 名 称
PRODUCT NAME: WIFI 2.4G/5.8G ANT

客 户 料 号
CUSTOMER P/N: DGC3-ANT

Longxun P/N: 1204-wifi-fpc

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:	2024/04/26	

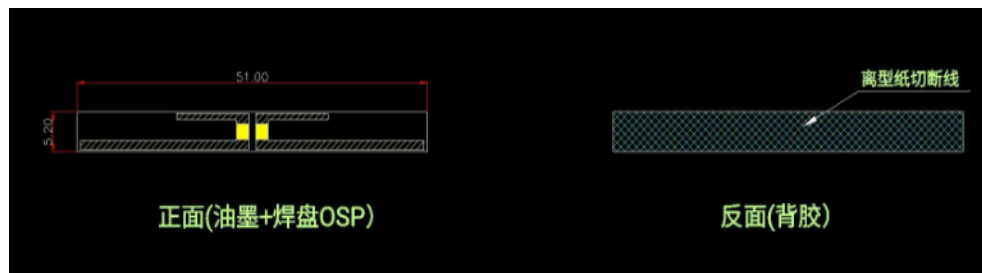
Contents Item Description

1. -----Antenna type
2. -----Structural diagram
3. -----Standing wave ratio
4. -----Test report
5. -----Mechanical performance testing

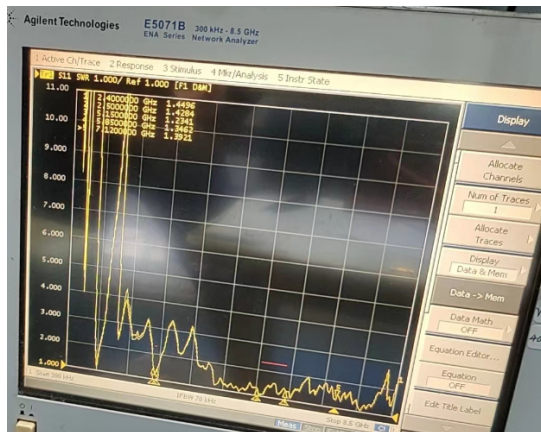
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1. Antenna type
2. This is a 2.4-5.8G Monopole antenna for WiFi based on customer design requirements for FPC debugging.
3. Product diagram



4, Standing wave ratio



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5,Test report

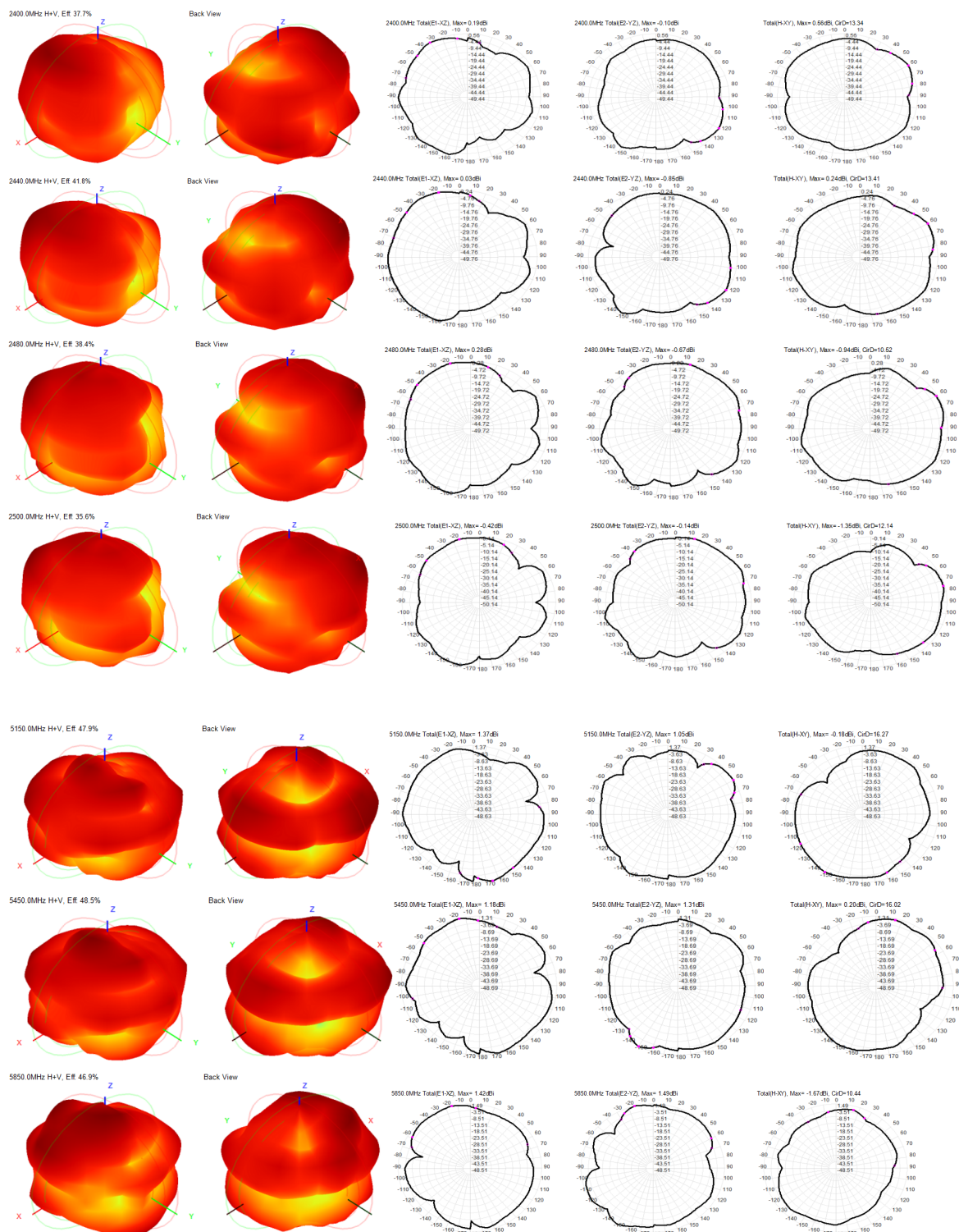
6,Passive gain and efficiency

Frequency/MHz	MaxGain/dBi	Efficiency/%
2400	1.26	37.69
2440	1.77	41.79
2480	1.77	38.42
2500	1.66	35.59
5150	1.37	47.94
5450	1.59	48.49
5850	1.68	46.87

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7, Apple chart and directional gain chart



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5. Mechanical performance testing

1	摇摆测试 BENDING TEST	Place a load of 120g on the wire end 30cm away from the joint, fix the joint, and conduct a swing test with a swing angle of 60 degrees on each side. After 1000 swings, test the	After 1000 swings, the tested characteristics showed no damage to the electrical
2	强度测试 STRENG TEST	Apply a static load of 15 pounds to the bottom of the payout end for one minute	There is no visible damage to the mechanical and electrical performance
3	拉力测试 PULLING FORCE	Perform tensile testing between the connector and wire using a tensile tester	Can withstand a tensile force of 7Kg without any damage to the electrical performance
4	振动测试 VIBRATI ON TEST	Vibration in the X-axis direction for 120 minutes, Y-axis direction for 120 minutes, and Z-axis direction for 240 minutes with an amplitude of 1.10mm and a vibration frequency of 33.30Hz/	There is no evidence of damage to the electrical performance