



深圳星源创科技有限公司

Shen Zhen Xing Yuan Chuang Technology Co., Ltd

## 规格承认书 Approval Sheet

客户名称 Customer	TOPDON TECHNOLOGY Co., Ltd.	日期 Data	2023/09/23
产品名称 Product	BT antenna	客户机型 Models	PG1000
料号 P/N	F600T-12RB-055	客户料号 Customer P/N	827-1000-00009
规格描述 Specifications	黑色FPC; RF0.81二代端子黑色同轴线; L=55毫米 Black FPC; RF0.81 second generation terminal black coaxial line; L=55 mm		

供应商承认签印 Vender Approved By		客户承认签印 Customer Approved By	
Checked By:		Checked By:	
Approval By:		Approval By:	

### 文件修订履历表

版本 Version	修订内容 Revise The Content	修订人 Revused	核准 Approval	修订日期 Date	备注 Note

地址: 深圳市宝安区福永镇福海街道塘尾股份商务大厦1506

Address: 1506, Tangwei Business Building, Fuhai Street, Fuyong Town, Baoan District, Shenzhen

Tel: 0755-82103639 QQ: 487580356 Email: Stephdeng\_Vis@126.com



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## Specification

### 1.1 Electrical Properties

Characteristics	Specifications
Working Band	2.4BT
Antenna From	FPC
Impedance	50 $\Omega$
Polarization	Linear
Peak Effi	39.41%@BT
Peak Gain	1.03dBi@BT

### 1.2 Physical Properties

Characteristics	Specifications
Operating Temp	-10°C~+60°C
Storage Temp	-10°C~+70°C
Humidity	10~95%RH



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## Antenna Placement



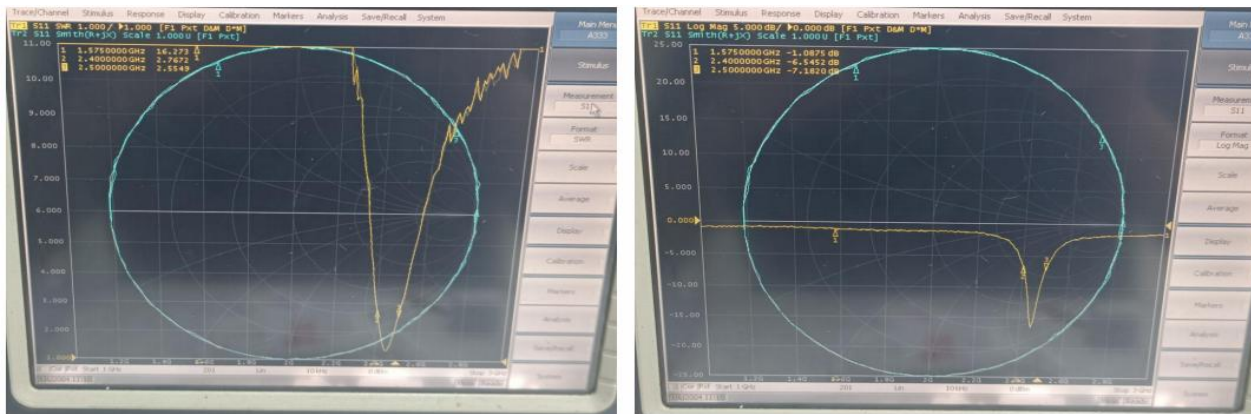
地址：深圳市宝安区福永镇福海街道塘尾股份商务大厦1506

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### Test Data

#### S11 Parameter-VSWR

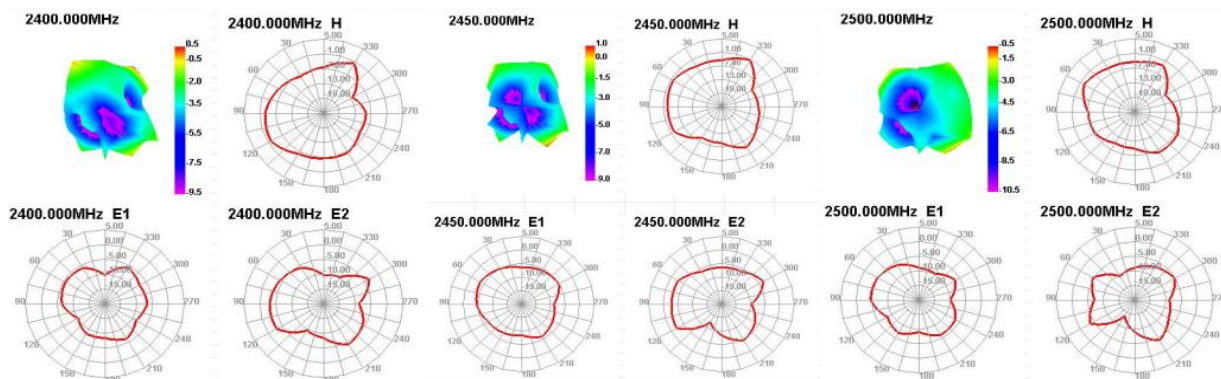


Frequency (MHZ)	2400	2450
VSWR	2.76	2.55
Return Loss (DB)	-6.54	-7.18

#### Efficiency Table

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
2400	32.35	-4.9	0.49	-1.66	12.736	19.613	0.49	-15.78
2410	33.7	-4.72	0.56	-1.59	13.392	20.303	0.56	-15.58
2420	36.88	-4.33	0.98	-1.17	14.728	22.155	0.98	-14.65
2430	36.38	-4.39	0.81	-1.34	14.657	21.727	0.81	-13.6
2440	36.6	-4.37	0.76	-1.39	14.601	21.995	0.76	-12.65
2450	39.41	-4.04	1.03	-1.12	15.377	24.028	1.03	-12.38
2460	38.37	-4.16	1.01	-1.14	14.585	23.783	1.01	-12.73
2470	37.7	-4.24	0.83	-1.32	14.108	23.588	0.83	-12.98
2480	38.15	-4.19	0.69	-1.46	14.266	23.881	0.69	-13.68
2490	35.3	-4.52	0.47	-1.68	13.253	22.047	0.47	-15.17
2500	28.29	-5.48	-0.49	-2.64	10.692	17.602	-0.49	-15.83

#### Radiation Patter

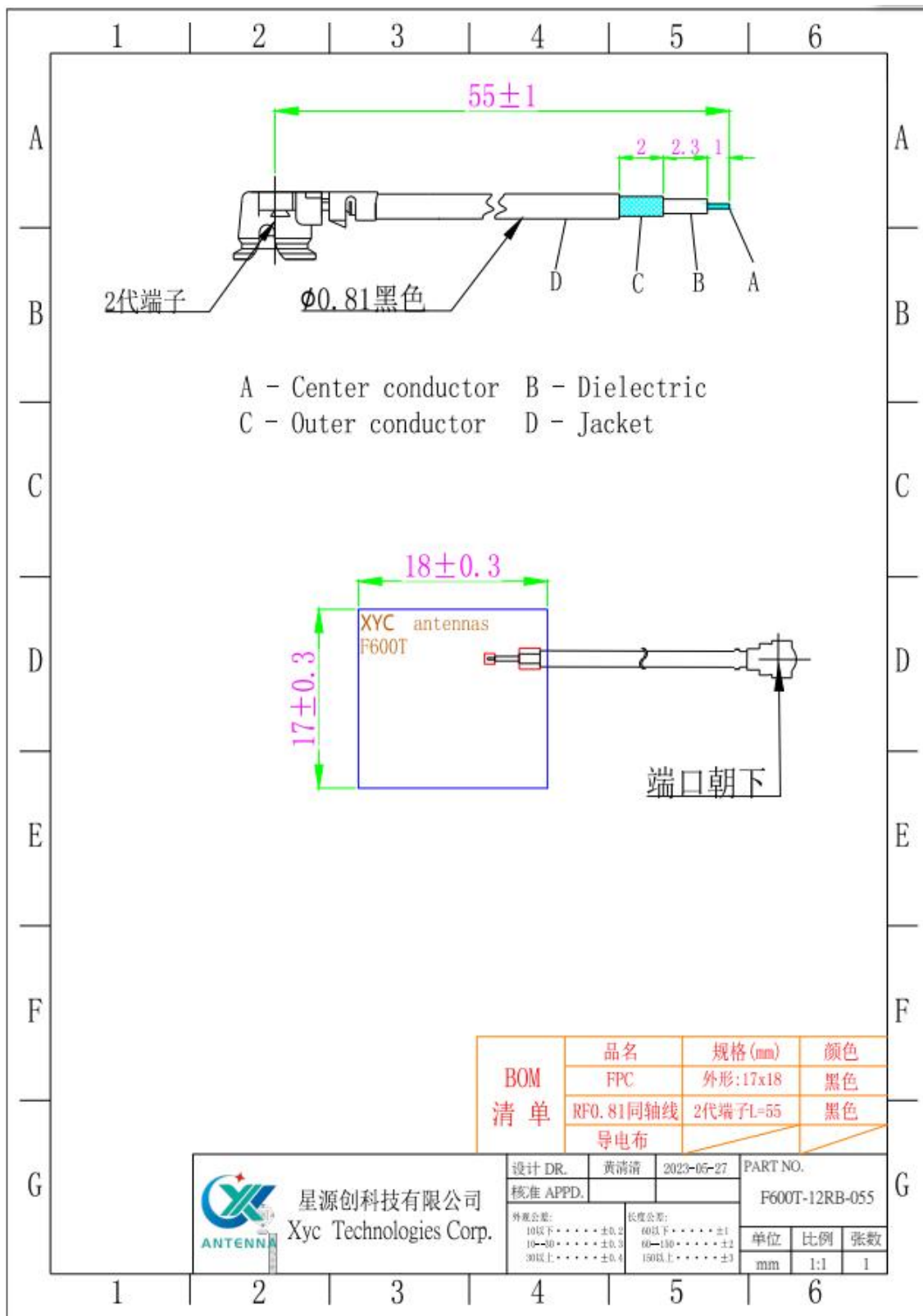


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### Antenna Assembly



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### Notes

