



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	秋然	日期 Data	2023/08/11
产品名称 Product	WIFI天线	客户机型 Models	F20
料号 P/N	F903Z-20RB-240	客户料号 Customer P/N	
规格描述 Specifications	黑色FPC; MI-113黑色同轴线, 长度L=240mm		

供应商承认签印 Vender Approved By	客户承认签印 Customer Approved By
	
Checked By:	Checked By:
Audit By:	Audit 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	2.4G WiFi
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	50%@2.4G
Peak Gain	1.28dBi@2.4G

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



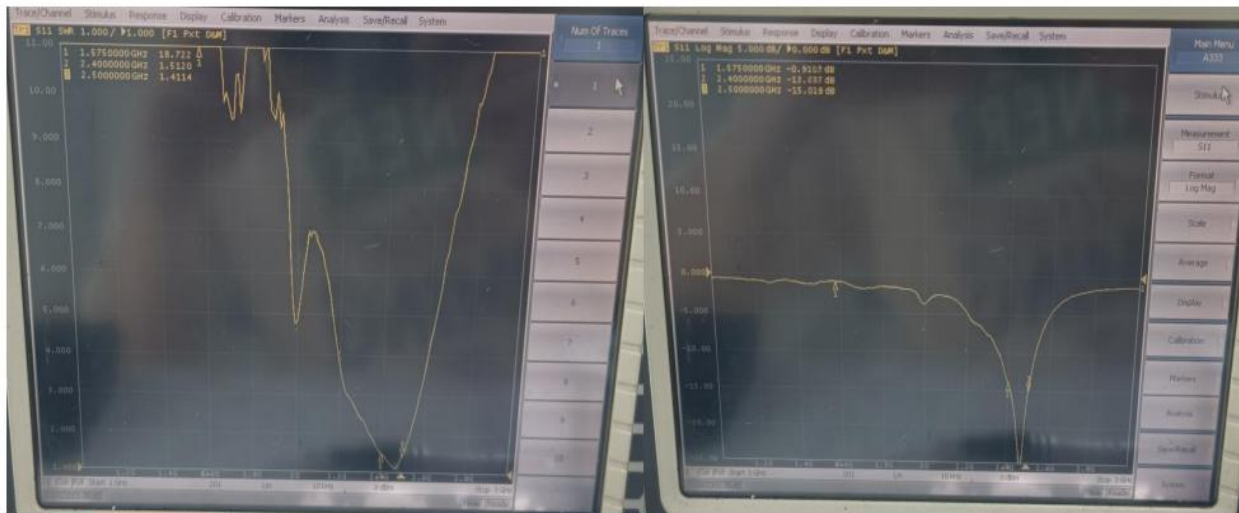
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Test Data

S11 Parameter-VSWR



Frequency (MHZ)	2400	2500
VSWR	1.51	1.41
Return Loss (DB)	-13.6	-15.0

WiFi Active Test Data

802.11b	Frequency	TRP		TIS	
	2412	CH1 11Mbps	11.36	CH1 11Mbps	-78.35
	2437	CH6 11Mbps	11.17	CH6 11Mbps	-76.25
	2467	CH11 11Mbps	10.46	CH11 11Mbps	-78.89

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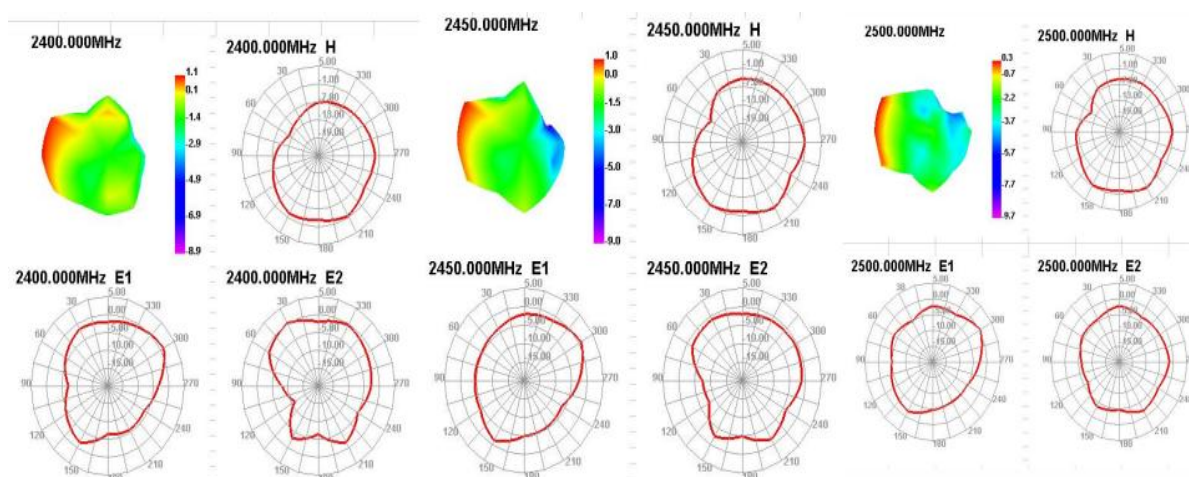
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Efficiency Table

Passive Test For WIFI2.4						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)
2400	47.7	-3.21	1.11	-1.04	30.368	17.334
2410	46.42	-3.33	0.89	-1.26	28.909	17.514
2420	49.45	-3.06	1.1	-1.05	30.181	19.27
2430	49.71	-3.04	1.1	-1.05	29.814	19.894
2440	50.25	-2.99	1.28	-0.87	29.58	20.673
2450	49.75	-3.03	1.03	-1.12	28.774	20.979
2460	48.18	-3.17	0.65	-1.5	27.351	20.828
2470	48.68	-3.13	0.71	-1.44	27.288	21.392
2480	50.93	-2.93	0.87	-1.28	27.831	23.098
2490	50.31	-2.98	0.94	-1.21	27.017	23.288
2500	43.22	-3.64	0.32	-1.83	22.918	20.306

Radiation Pattern



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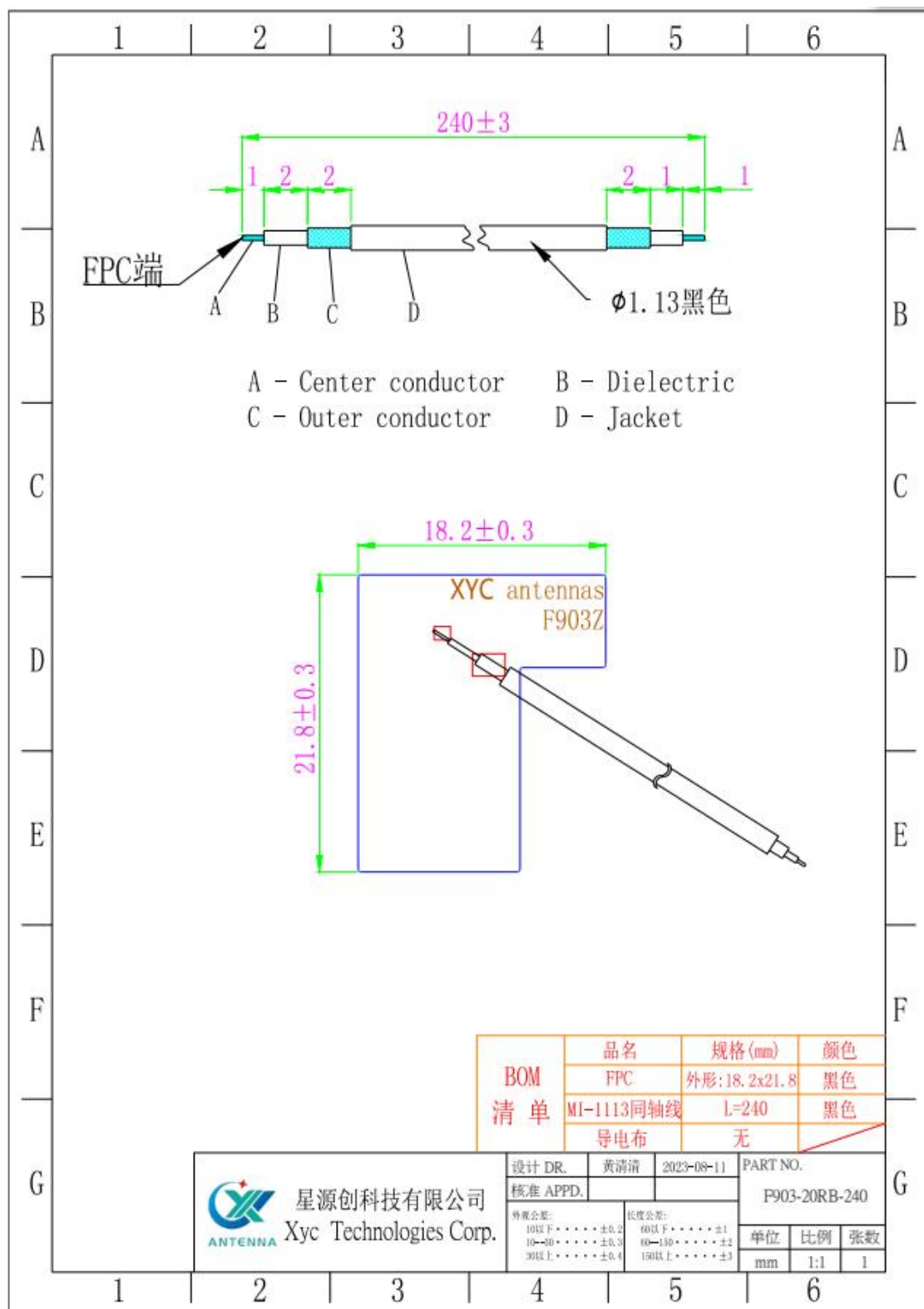
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Antenna Assembly



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