



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	攻氮	日期 Data	2024/07/31
产品名称 Product	WiFi/BT天线	客户机型 Models	AR05
料号 P/N	F1067H-13RB-075	客户料号 Customer P/N	
规格描述 Specifications	黑色FPC; RF0.81三代端子黑色同轴线, 长度L=75mm		

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	2.4GWiFi/BT; 5GWiFi
Antenna From	PIFA
Impedance	50 Ω
Polarization	Linear
Peak Effi	45%@2.4G; 59%@5G
Peak Gain	0.9dBi@2.4G; 6.5dBi@5G

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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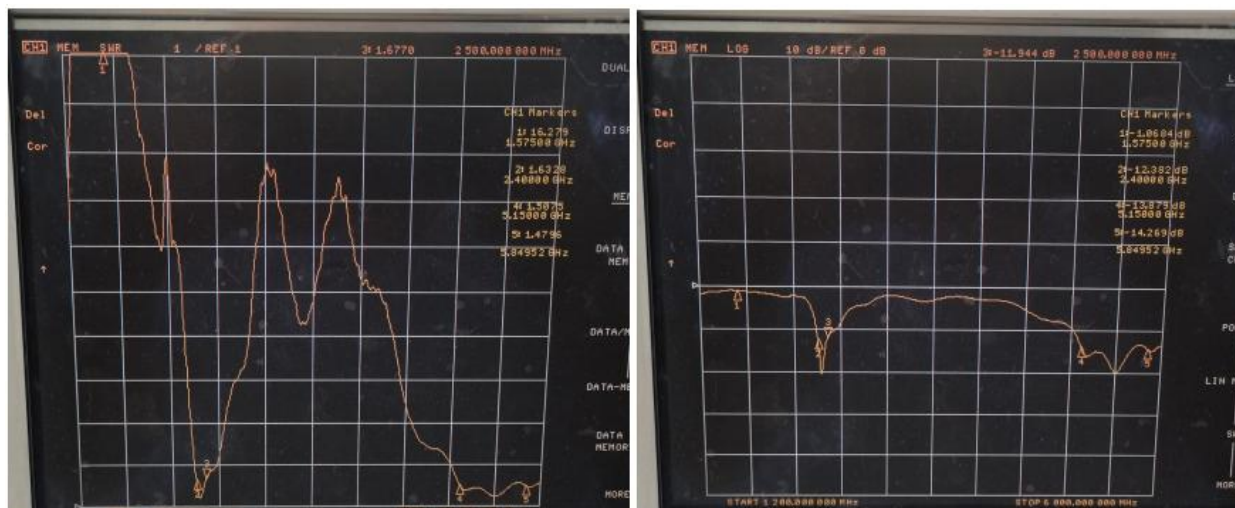
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Test Data

S11 Parameter-VSWR



Frequency (MHZ)	2400		2483	5150	5500	5850
VSWR	1.63		1.67	1.50		1.47
Return Loss (DB)	-12.38		-1.94	-13.87		-14.26

Efficiency Table (2.4G)

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	37.75	-4.23	-0.27	-2.42	16.247	21.507	-0.27	-23.49	3.96	0	45.78	46.01
2410	39.11	-4.08	-0.25	-2.4	16.831	22.278	-0.25	-23.7	3.82	30	46.01	46.29
2420	40.99	-3.87	-0.18	-2.33	17.53	23.461	-0.18	-22.89	3.69	30	45.73	46
2430	41.77	-3.79	-0.07	-2.22	17.98	23.785	-0.07	-20.51	3.72	30	46.01	46.36
2440	44.34	-3.53	0.28	-1.87	19.307	25.035	0.28	-17.46	3.81	30	46.12	46.48
2450	43.38	-3.63	0.34	-1.81	19.046	24.335	0.34	-15.58	3.97	30	46.12	46.54
2460	42.93	-3.67	0.55	-1.6	18.648	24.284	0.55	-15.47	4.22	30	46.14	46.52
2470	45.8	-3.39	0.95	-1.2	19.811	25.987	0.95	-16.29	4.34	90	46.4	46.8
2480	45.22	-3.45	0.97	-1.18	19.416	25.804	0.97	-16.69	4.42	90	46.26	46.64
2490	43.21	-3.64	0.82	-1.33	18.573	24.639	0.82	-15.98	4.46	30	46.51	46.91
2500	43.19	-3.65	0.98	-1.17	18.534	24.654	0.98	-15.52	4.63	30	46.47	46.86

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Efficiency Table (5G)

Passive Test For WIFI5G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5150	31.75	-4.98	2.66	0.51	16.994	14.751	2.66	-27.51	7.64	90	49.82	49.4
5170	32.95	-4.82	2.88	0.73	17.626	15.323	2.88	-28.42	7.7	90	50.13	49.77
5190	37.07	-4.31	3.5	1.35	19.859	17.214	3.5	-25.71	7.81	90	50.42	49.95
5210	39.24	-4.06	3.88	1.73	20.888	18.349	3.88	-25.54	7.94	90	50.88	50.49
5230	40.5	-3.93	4.19	2.04	21.511	18.987	4.19	-24.48	8.12	90	50.42	50.08
5250	43.23	-3.64	4.49	2.34	23.048	20.178	4.49	-22.95	8.14	60	51.02	50.72
5270	48.03	-3.18	4.94	2.79	25.767	22.265	4.94	-24.59	8.13	60	50.85	50.6
5290	46.98	-3.28	4.84	2.69	25.425	21.55	4.84	-28.7	8.12	60	51.34	51.12
5310	44.43	-3.52	4.54	2.39	24.174	20.26	4.54	-26.28	8.06	60	50.44	50.36
5330	44.23	-3.54	4.68	2.53	24.131	20.097	4.68	-25.03	8.22	60	51.08	51.01
5350	47.85	-3.2	5.06	2.91	26.17	21.684	5.06	-25.61	8.26	60	51.02	51.01
5370	46.38	-3.34	4.99	2.84	25.399	20.982	4.99	-25.99	8.33	60	50.91	50.95
5390	42.34	-3.73	4.69	2.54	23.204	19.137	4.69	-24.08	8.42	60	50.46	50.43
5410	48.04	-3.18	5.3	3.15	26.311	21.726	5.3	-21.19	8.49	60	51.18	51.09
5430	45.96	-3.38	5.1	2.95	25.087	20.87	5.1	-21.17	8.48	60	50.69	50.7
5450	49.87	-3.02	5.4	3.25	27.369	22.501	5.4	-20.36	8.42	60	50.71	50.85
5470	48.59	-3.13	5.29	3.14	26.628	21.96	5.29	-20.46	8.43	60	50.93	50.83
5490	49.22	-3.08	5.34	3.19	26.825	22.395	5.34	-22.43	8.42	60	50.92	50.79
5510	51.37	-2.89	5.6	3.45	28.09	23.283	5.6	-22.82	8.49	60	51.18	51.16
5530	53.95	-2.68	5.86	3.71	29.316	24.63	5.86	-20.91	8.54	60	51.44	51.3
5550	57.78	-2.38	6.17	4.02	31.323	26.453	6.17	-21.65	8.55	60	51.89	51.76
5570	57.02	-2.44	6.24	4.09	30.74	26.282	6.24	-22.99	8.68	60	51.42	51.33
5590	59.38	-2.26	6.56	4.41	31.909	27.472	6.56	-24.63	8.82	60	51.71	51.76
5610	56.22	-2.5	6.49	4.34	30.26	25.958	6.49	-23.93	8.99	60	51.17	51.22
5630	55.56	-2.55	6.47	4.32	29.837	25.727	6.47	-25.37	9.02	60	51.78	51.77
5650	55.77	-2.54	6.57	4.42	29.905	25.866	6.57	-25.78	9.11	60	51.47	51.55
5670	52.24	-2.82	6.41	4.26	27.903	24.332	6.41	-30.19	9.23	60	52.12	52.28
5690	54.47	-2.64	6.58	4.43	29.112	25.353	6.58	-22.33	9.22	60	52.12	52.25
5710	47.39	-3.24	5.91	3.76	25.3	22.091	5.91	-21.83	9.15	90	51.95	52.05
5730	53.57	-2.71	6.3	4.15	28.464	25.103	6.3	-21.03	9.01	90	51.59	51.69
5750	45.34	-3.44	5.47	3.32	24.012	21.327	5.47	-21.98	8.91	60	51.12	51.15
5770	49.9	-3.02	5.84	3.69	26.237	23.662	5.84	-22.59	8.85	60	51.02	51.06
5790	44.35	-3.53	5.2	3.05	23.129	21.225	5.2	-21.71	8.73	60	51.08	51.16
5810	47.75	-3.21	5.32	3.17	24.845	22.907	5.32	-18.86	8.53	60	51.36	51.43
5830	45.86	-3.39	4.94	2.79	23.904	21.956	4.94	-19.48	8.32	30	51.65	51.66
5850	49.9	-3.02	5.29	3.14	25.991	23.912	5.29	-18.68	8.31	30	51.88	52.05

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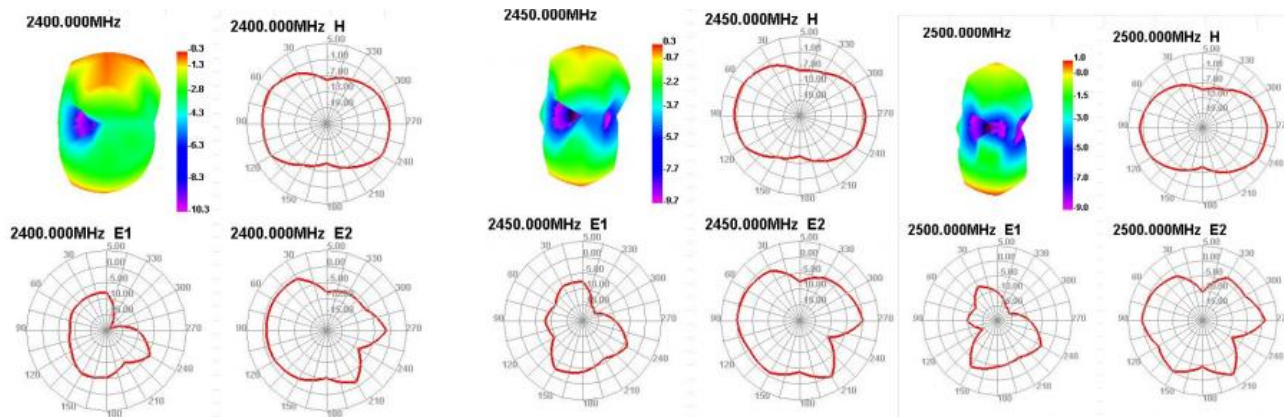
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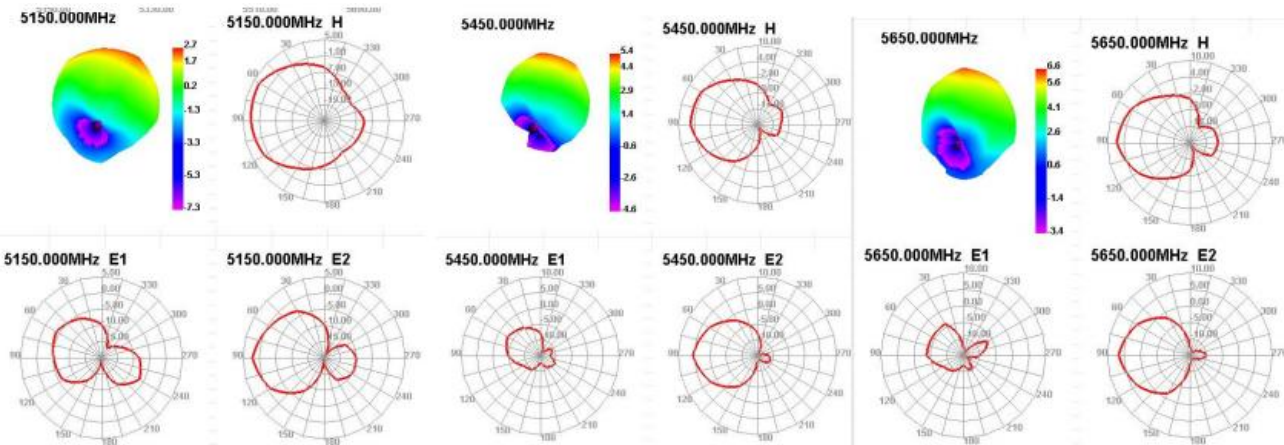
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Radiation Pattern (2.4G)



Radiation Pattern (5G)



WiFi Active Test Data

	Frequency	TRP		TIS	
802.11b	2412	CH1 11Mbps	13.96	CH1 11Mbps	-82.41
	2437	CH6 11Mbps	13.23	CH6 11Mbps	-82.03
	2467	CH11 11Mbps	12.02	CH11 11Mbps	-82.56
802.11a		TRP		TIS	
	5180	CH36 6Mbps	11.32	CH36 54Mbps	-71.86
	5300	CH60 6Mbps	12.47	CH60 54Mbps	-72.003
	5805	CH161 6Mbps	12.89	CH161 54Mbps	-72.39

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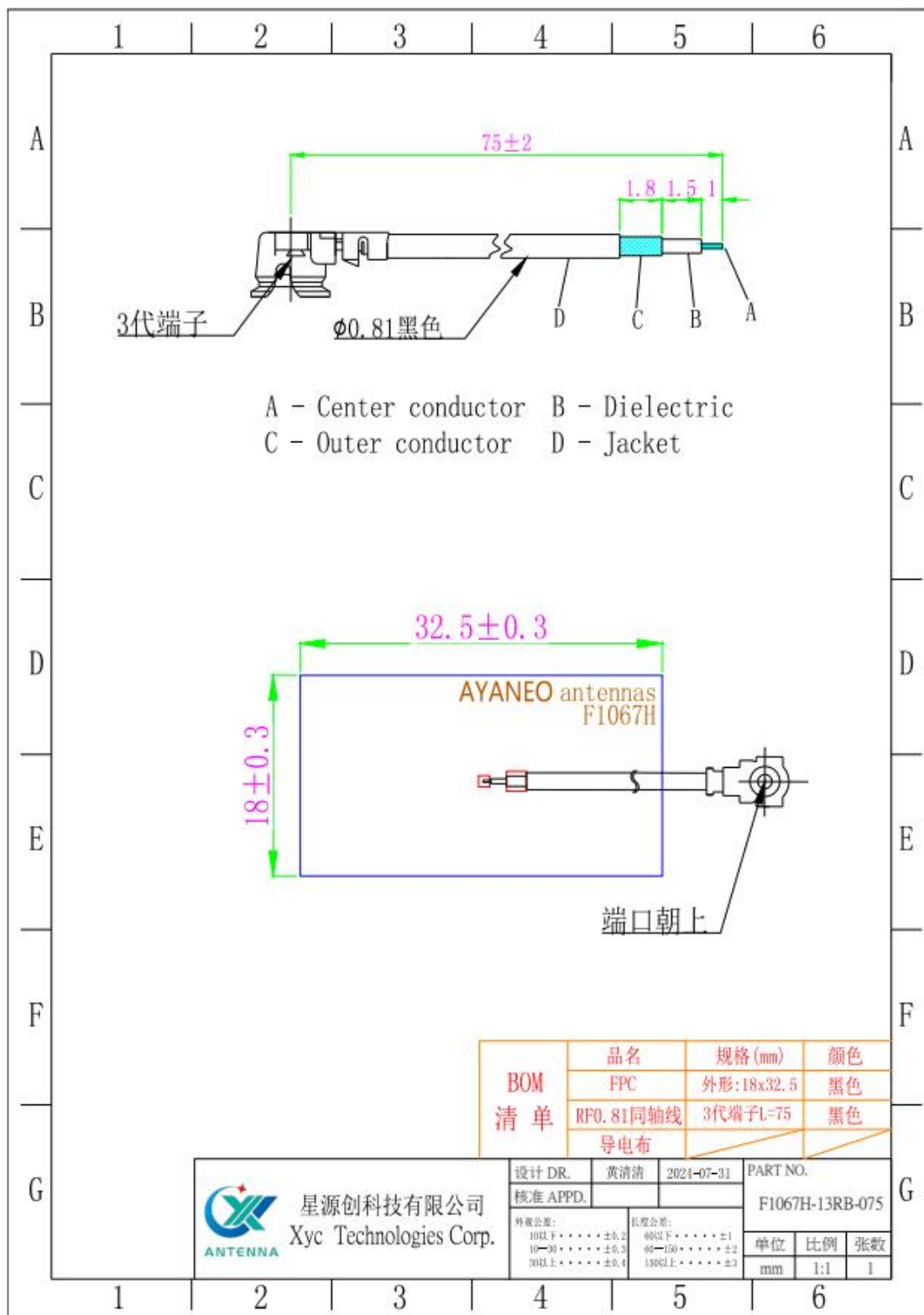
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