



Applicable to A80-拉美 project WIFI antenna solution

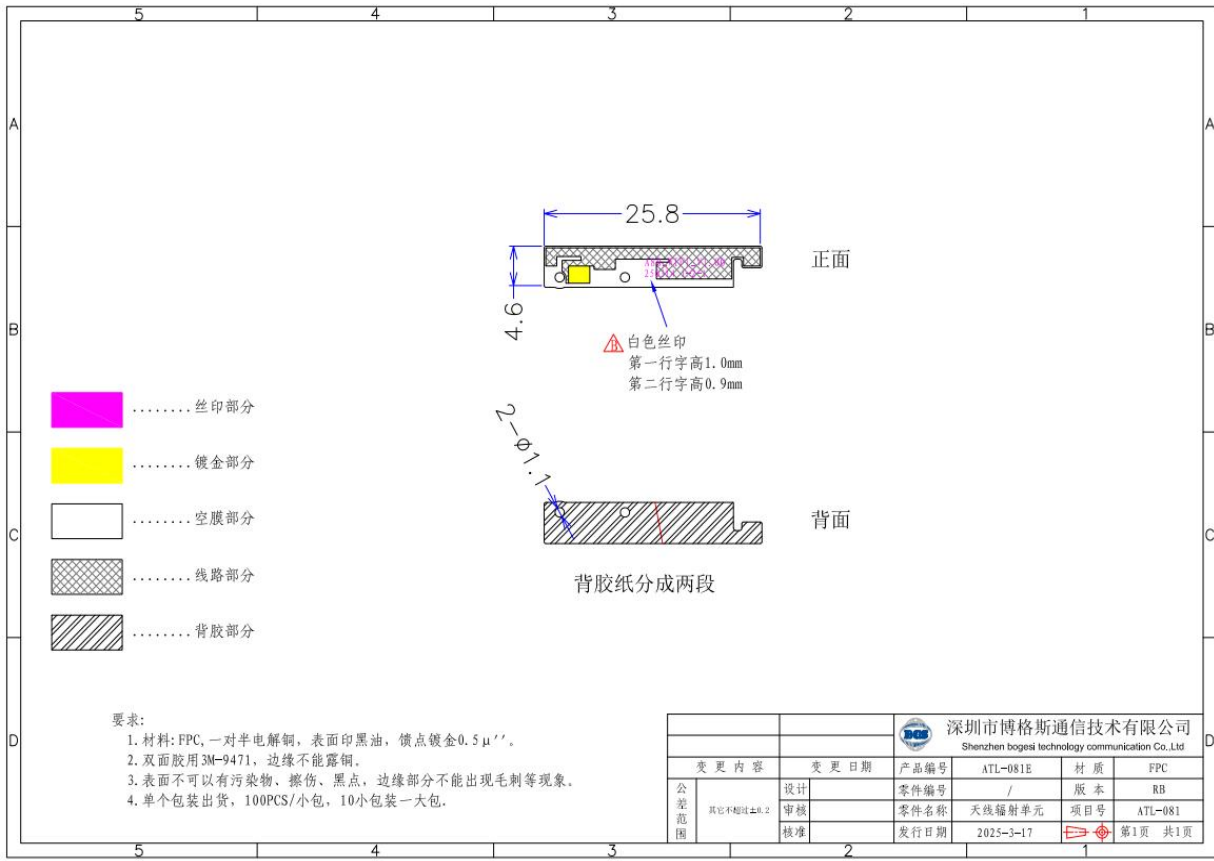
Electrical Specifications:

Frequency Band	2.4G/5G	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	Top touch
VSWR	≤ 5.0	Working Temperature	-40°C ~ +85°C
Peak Gain	2.4-2.5GHz: -1.3dBi	Keep The Temperature	+19°C ~ +23°C
	5.15-5.8GHz: 2.8dBi	Polarization	Linear Polarization

Test Conditions And Methods:

Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer	<ol style="list-style-type: none">1. Assemble the antenna to be tested on the prototype.2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established.3. Test antenna passive data with test software.	Refer to the Test Report

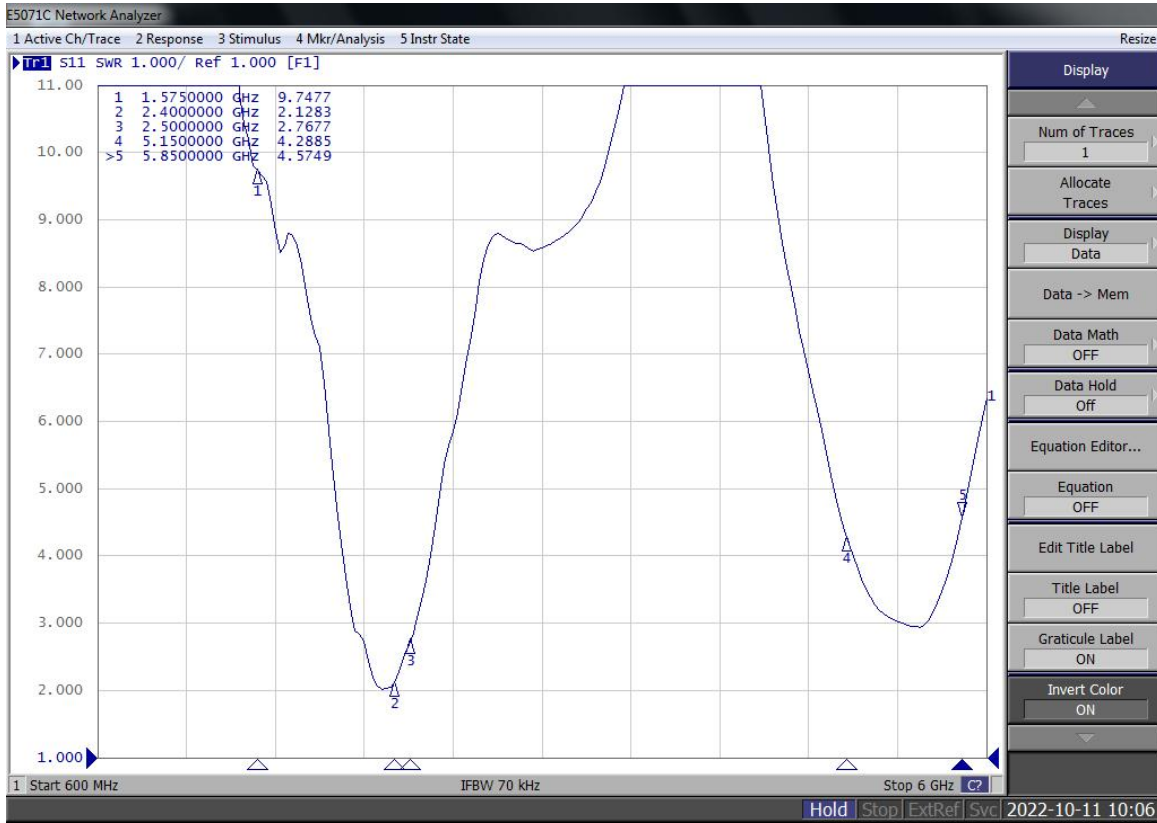
Product drawings



		深圳市博格斯通信技术有限公司 Shenzhen boges technology communication Co.,Ltd			
变更内容	变更日期	产品编号	ATL-081E	材质	FPC
公差范围	设计	零件编号	/	版本	RB
	审核	零件名称	天线辐射单元	项目号	ATL-081
	核准	发行日期	2025-5-17	第1页 共1页	

Passive performance test parameters

Frequency (MHz)	2400	5150	5850
VSWR	2.12	4.28	4.57



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	28.29	-1.92
2410	28.82	-1.57
2420	29.07	-1.47
2430	29.56	-1.28
2440	29.17	-1.19
2450	29.5	-1.44
2460	26.39	-2.06
2470	24.87	-2.38
2480	20.57	-2.51
2490	21.92	-2.3
2500	20.99	-2.67
5140	14.56	-0.79
5160	14.48	-0.64
5180	13.63	-0.8
5200	13.66	-0.92
5220	14.37	-0.5
5240	15.2	-0.18
5260	18.51	0.61
5280	22.25	1.33
5300	24.6	1.68
5320	32.29	2.78
5340	34.96	2.88
5360	35.22	2.8
5380	33.97	2.59
5400	28.89	1.81
5420	28.49	1.72
5440	26.19	1.42
5460	22.48	0.54
5480	23.15	0.57
5500	21.92	0.11
5520	21.96	0.12
5540	24.1	0.51
5560	23.64	0.16
5580	25.09	0.6
5600	23.44	0.23
5620	19.4	-0.51
5640	16	-1.13
5660	12.65	-1.97
5680	12.11	-2.23
5700	10.97	-2.35
5720	11.26	-2.22
5740	12.43	-1.86
5760	12.83	-1.77
5780	14.04	-1.23
5800	16.95	-0.92

Directional diagram

