



Applicable to A78-SC200L-AU project WIFI antenna solution

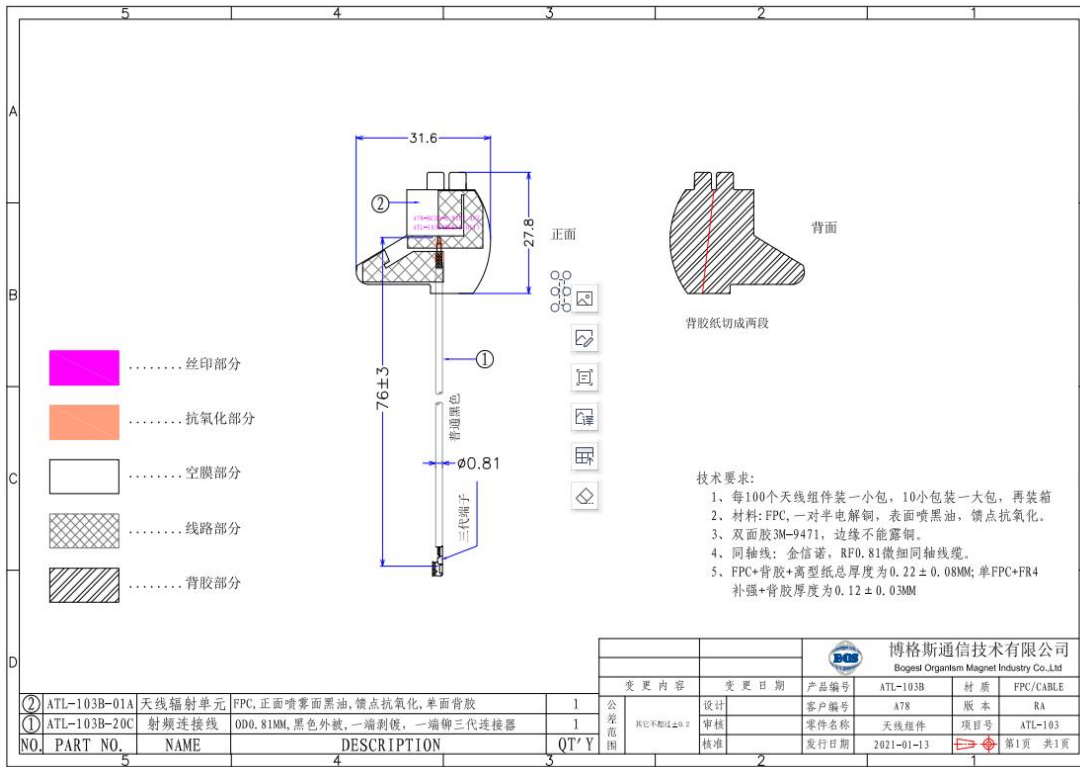
Electrical Specifications:

Frequency Band	WIFI	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	IPEX III
VSWR	≤ 4.0	Working Temperature	-40°C ~ +85°C
Peak Gain	2400-2500MHz: 2.11dBi	Keep The Temperature	+19°C ~ +23°C
	5100-5800MHz: 4.02dBi	Polarization	Linear Polarization

Test Conditions And Methods:

Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer 48 probe test system MT8862 comprehensive tester	<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

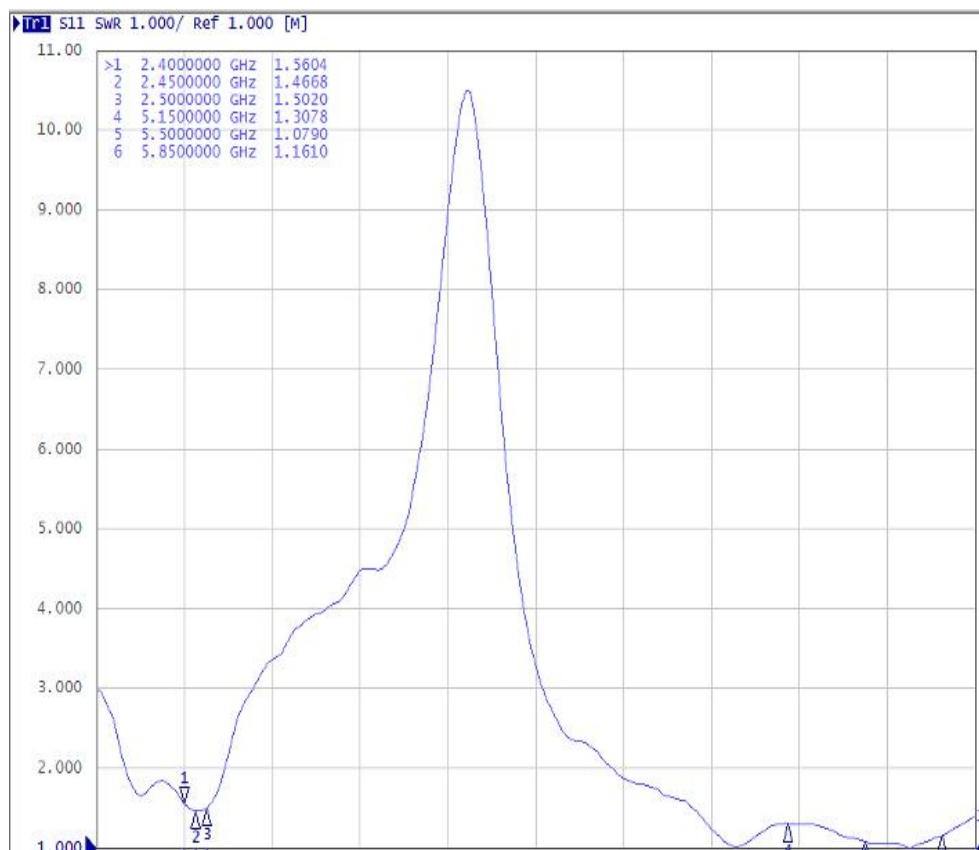
Product drawings



				博格斯通信技术有限公司 Bogest Organem Magnet Industry Co., Ltd.			
变更内容		变更日期		产品编号	ATL-103B	材质	FPC/CABLE
①	ATL-103B-01A	天线辐射单元	FPC 正面喷黑油,镀点抗氧化,单面背胶	1	设计	客户编号	A78 版本 RA
①	ATL-103B-20C	射频连接线	OD0.81MM,黑色外皮,一端剥皮,一端铆三代连接器	1	审核	零件名称	天线组件 项目号 ATL-103
NO.	PART NO.	NAME	DESCRIPTION	QTY	核准	发行日期	2021-01-13 第1页 共1页

Passive performance test parameters

Frequency (GHz)	2.4	2.5	5.15	5.85
VSWR	1.5	1.5	1.3	1.16



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	55.85	1.9
2410	59.62	2.11
2420	52.76	1.5
2430	57.47	1.81
2440	46.68	0.91
2450	47.89	0.86
2460	41.89	0.13
2470	47.51	0.57
2480	44.33	0.28
2490	48.61	0.66
2500	46.51	0.5
5100	75.67	3.48
5120	80.64	4.02
5140	75.22	3.88
5160	70.63	3.31
5180	66.83	3.13
5200	60.17	2.85
5220	53.52	2.3
5240	52.5	2.12
5260	53.21	2.3
5280	57.61	2.71
5300	59.07	2.74
5320	65.59	3.2
5340	69.48	3.49
5360	70.1	3.6
5380	68.23	3.6
5400	62.15	3.07
5420	62.97	3.23
5440	60.31	3.21
5460	57.51	2.94
5480	60.26	3.12
5500	62.23	3.27
5520	61.2	3.27
5540	59.62	3.23
5560	57.19	3.12
5580	55.82	2.9
5600	54.09	2.85
5620	49.63	2.57
5640	43.41	1.94
5660	38.53	1.74
5680	41.24	2.02
5700	39.2	1.72
5720	41.88	2.04
5740	45.31	2.46
5760	47.09	2.68
5780	48.91	2.65
5800	53.46	3.03

Directional diagram

