



深圳市博格斯通信技术有限公司

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Applicable to A78-SU806D-EAU project WIFI antenna solution

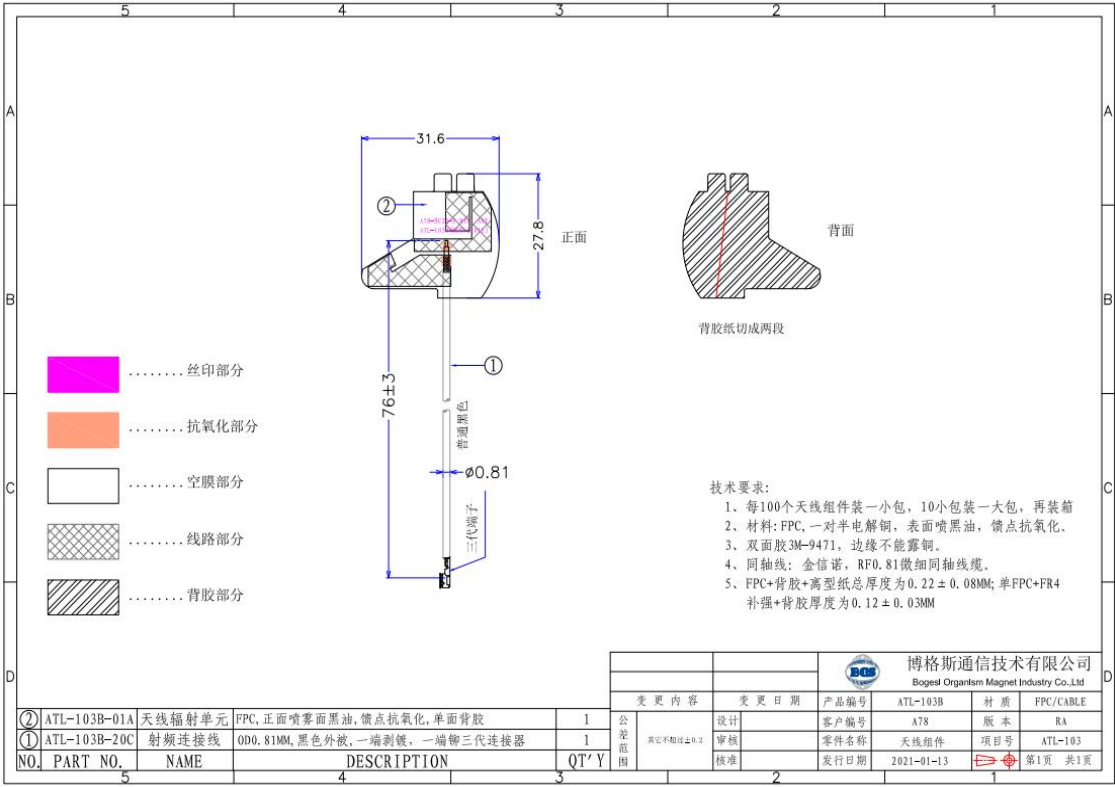
Electrical Specifications:

Frequency Band	WIFI	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	IPEX III
VSWR	≤ 5.0	Working Temperature	-40°C ~ +85°C
Peak Gain	2400-2500MHz: 2.23dBi	Keep The Temperature	+19°C ~ +23°C
	5100-5800MHz: 5.88dBi	Polarization	Linear Polarization

Test Conditions And Methods:

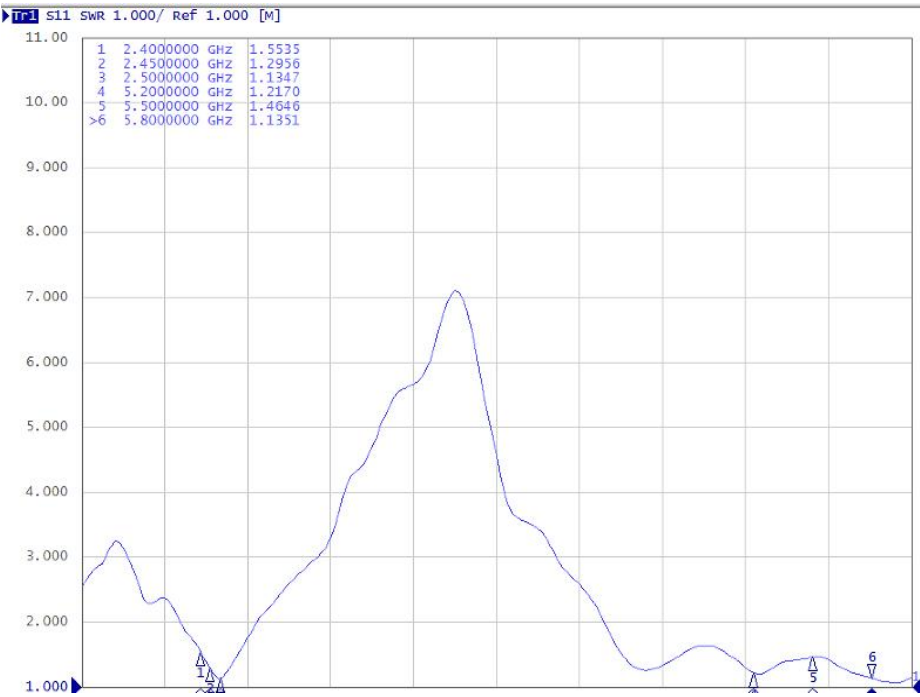
Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer 48 probe test system MT8862 comprehensive tester	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established. 3. Test antenna passive data with test software.	Refer to the Test Report

Product drawings



Passive performance test parameters

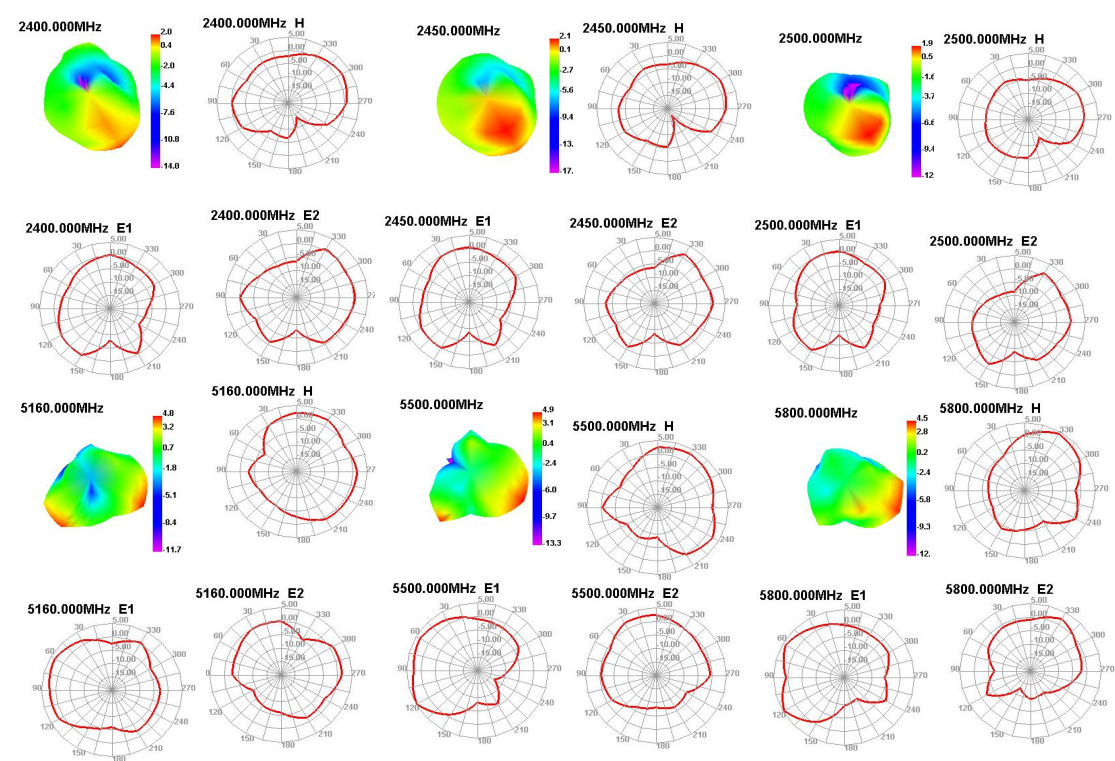
Frequency (GHz)	2.4	5.2	5.8
VSWR	1.55	1.21	1.13



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	47.38	1.96
2410	50.95	2.19
2420	48.48	2.06
2430	51.99	2.23
2440	44.51	1.81
2450	44.56	2.07
2460	38.45	1.78
2470	40.64	2.03
2480	56.43	1.82
2490	59.78	2.18
2500	55.66	1.94
5100	57.65	5.88
5120	54.3	5.44
5140	67.54	5.12
5160	65.46	4.84
5180	60.79	4.59
5200	50.05	3.8
5220	46.29	3.28
5240	42.19	3.25
5260	47.55	3.8
5280	50.57	3.85
5300	53.69	3.74
5320	56.47	4.17
5340	61.26	4.64
5360	64.76	4.69
5380	61.32	4.32
5400	58.43	4.22
5420	60.24	4.53
5440	57.76	4.37
5460	62.93	4.72
5480	70.18	5.08
5500	69.24	4.92
5520	67.16	4.87
5540	59.35	4.72
5560	53.94	4.42
5580	50.96	4.15
5600	48.09	3.83
5620	43.36	3.66
5640	43.05	3.73
5660	47.32	3.92
5680	56.21	4.24
5700	56.14	4.29
5720	59.05	4.7
5740	61.24	4.65
5760	71.29	4.92
5780	67.81	4.85
5800	59.91	4.54

Directional diagram



Picture of machine

