



深圳市博格斯通信技术有限公司
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Applicable to A75-SC200L-AU project WIFI antenna solution

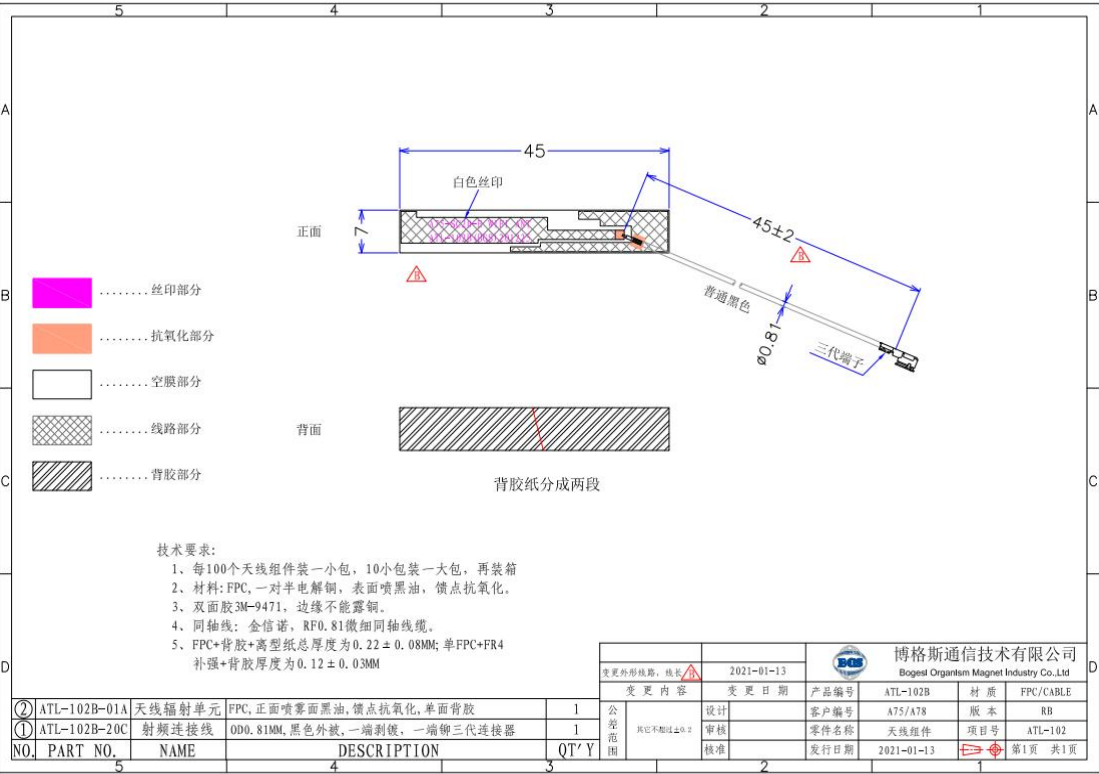
Electrical Specifications:

Frequency Band	WIFI	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	IPEX III
VSWR	≤ 3.0	Working Temperature	-40℃~+85℃
Peak Gain	2400-2500MHz: 0.95dBi	Keep The Temperature	+19℃~+23℃
	5100-5800MHz: 6.28dBi	Polarization	Linear Polarization

Test Conditions And Methods:

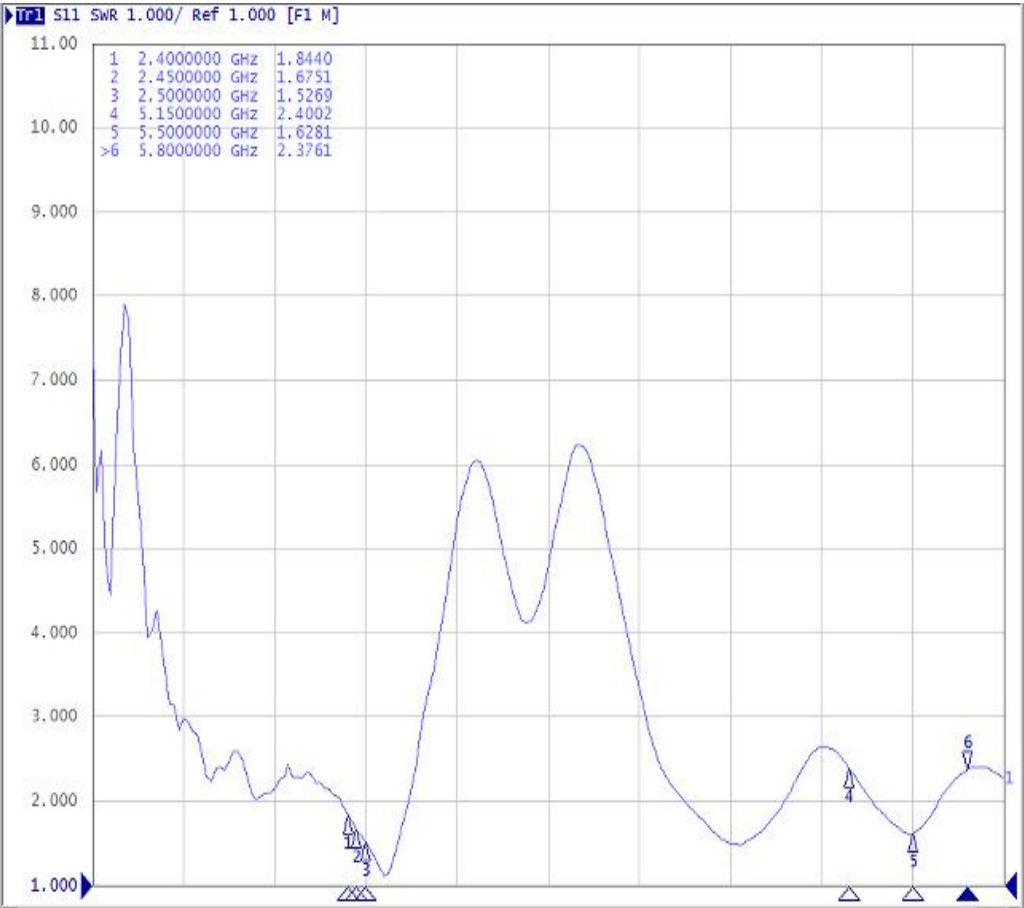
Test Instruments	Test Method	Test Result
E5071B network analyzer 48 probe test system MT8862 comprehensive tester	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established.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

Product drawings



Passive performance test parameters

Frequency (GHz)	2.4	2.5	5.15	5.85
VSWR	1.84	1.52	2.4	2.37



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	36.71	0.62
2410	41.14	0.95
2420	38.51	0.61
2430	40.13	0.73
2440	32.93	0.08
2450	33.73	0.26
2460	30.92	0.04
2470	34.13	0.52
2480	31.88	0.24
2490	34.58	0.59
2500	32.29	0.23
5100	36.76	3.82
5120	40.81	4.4
5140	42.41	4.75
5160	43.24	4.75
5180	44.82	4.56
5200	44.85	4.8
5220	42.95	4.85
5240	45.62	4.82
5260	46.7	4.74
5280	50.04	5.38
5300	53.19	5.89
5320	53.73	5.53
5340	54.29	5.3
5360	55.06	5.54
5380	53.65	5.45
5400	48.89	4.57
5420	49.56	4.55
5440	47.49	4.14
5460	49.87	4.34
5480	52.64	4.42
5500	54.14	4.24
5520	51.15	3.91
5540	47.37	3.82
5560	43.45	3.65
5580	39.2	3.27
5600	35.88	3.03
5620	32.41	2.68
5640	28.46	2.13
5660	23.78	1.53
5680	25.61	1.95
5700	25.53	1.85
5720	30.16	2.76
5740	33.67	3.64
5760	38.23	4.47
5780	45.34	5.42
5800	52.71	6.28

Directional diagram

