



深圳市博格斯通信技术有限公司
shenzhen bogesi communication technology co.,ltd

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Applicable to A75 project WIFI antenna solution

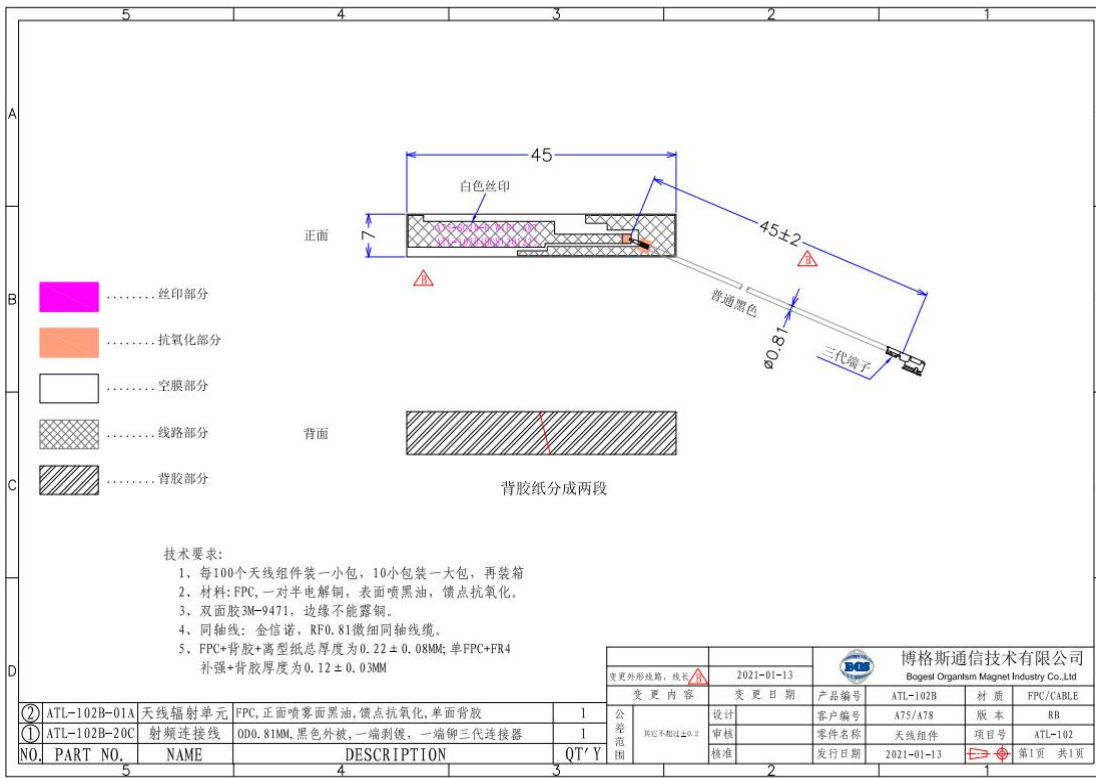
Electrical Specifications:

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	<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

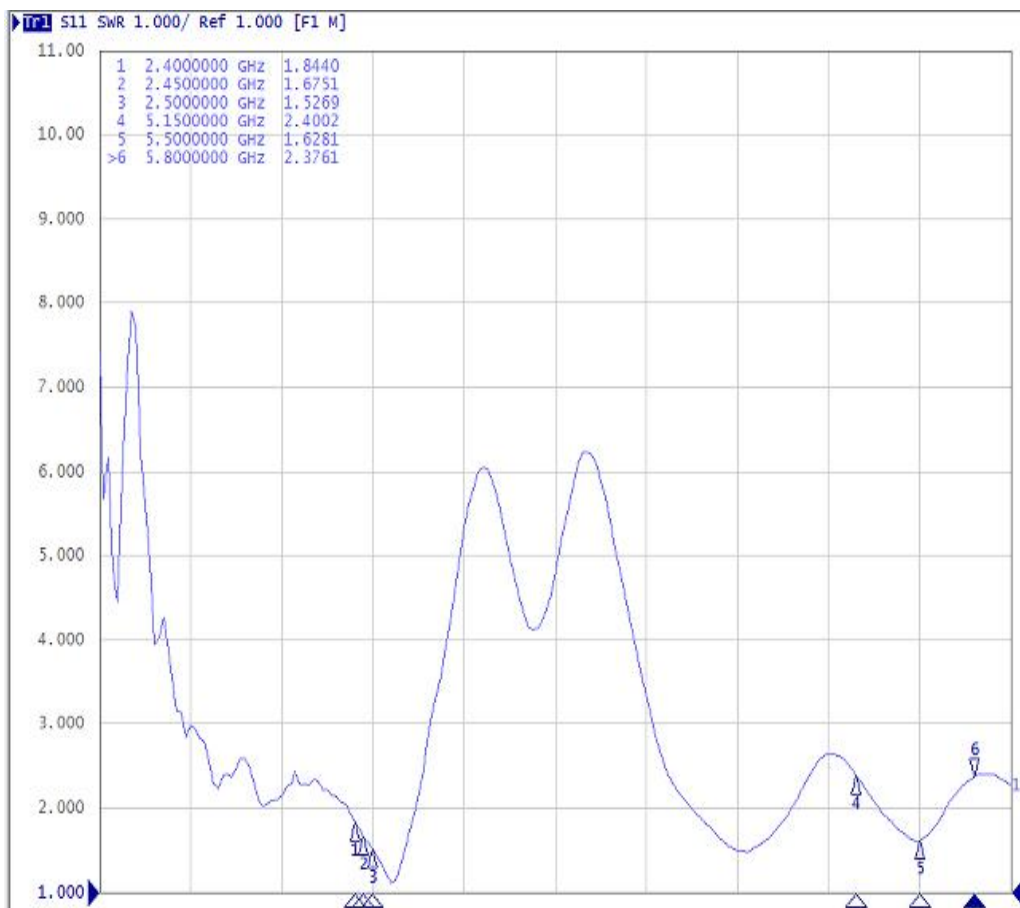


变更外形线路, 线长		2021-01-13		博格斯特通信技术有限公司 Bogest Organism Magnet Industry Co.,Ltd	
变更内容	变更日期	产品编号	ATL-102B	材质	FPC/CABLE
设计		客户编号	A75/A78	版本	RB
审核		零件名称	天线组件	项目号	ATL-102
核准		发行日期	2021-01-13	第1页 共1页	

NO.	PART NO.	NAME	DESCRIPTION	QTY
2	ATL-102B-01A	天线辐射单元	FPC, 正面喷雾面黑油, 镀点抗氧化, 单面背胶	1
1	ATL-102B-20C	射频连接线	OD0.81MM, 黑色外被, 一端剥皮, 一端铜三代连接器	1

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

