



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 A99-SC200E-AU project WIFI antenna solution

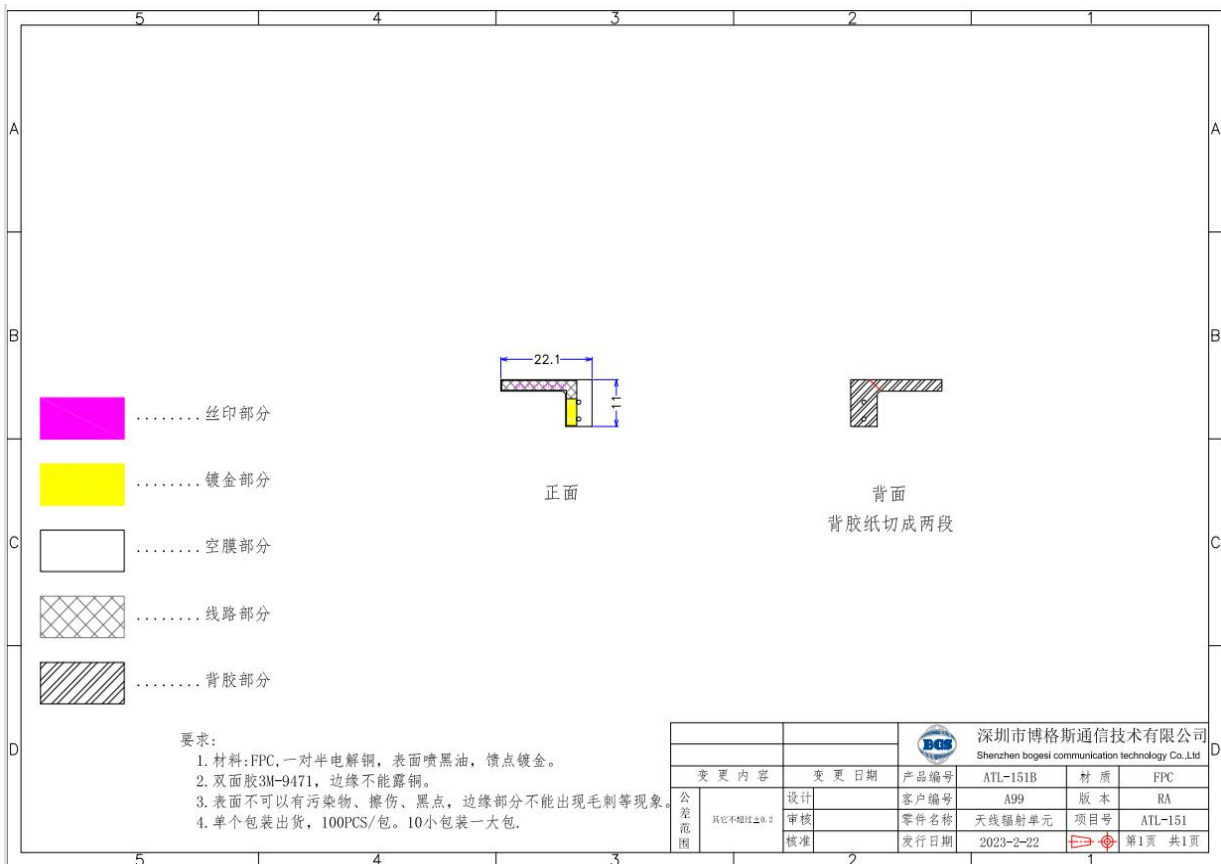
Electrical Specifications:

Frequency Band	WIFI	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	Touch
VSWR	≤3.0	Working Temperature	-40℃~+85℃
Peak Gain	2400-2500MHz: 2.11dBi	Keep The Temperature	+19℃~+23℃
	5100-5800MHz: 4.56dBi	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

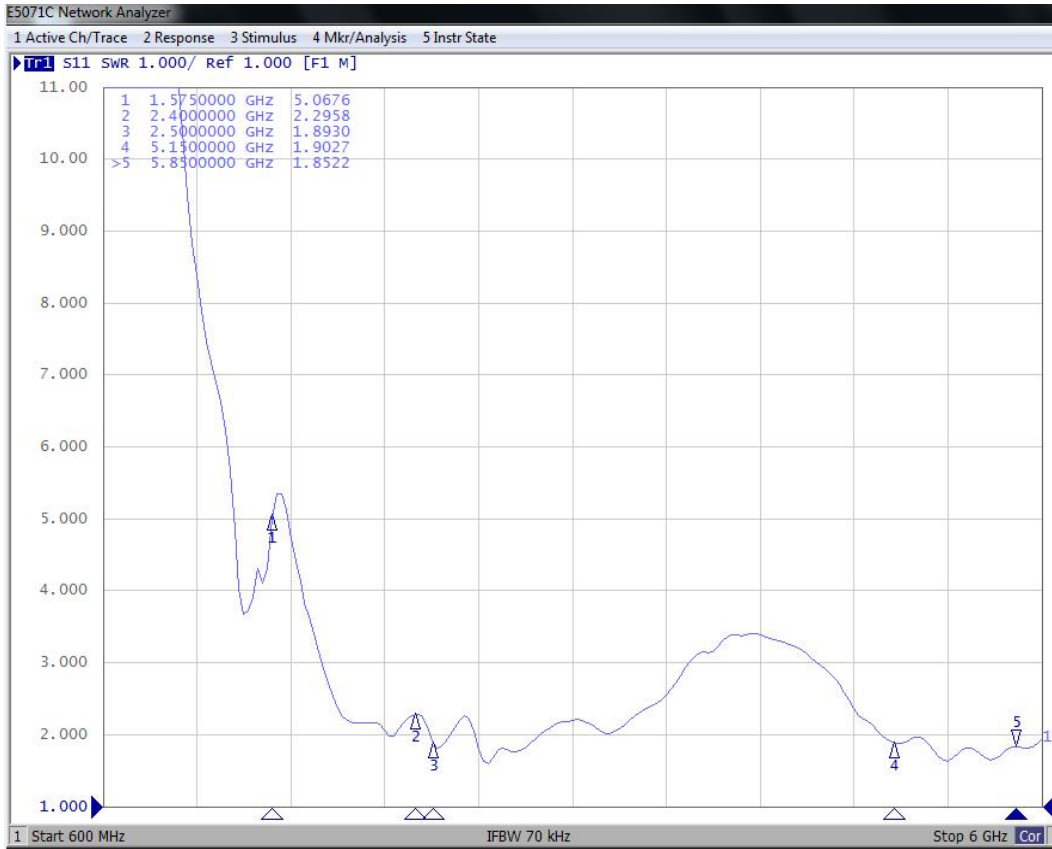
Product drawings



		 深圳市博格斯通信技术有限公司 Shenzhen bogesi communication technology Co.,Ltd			
变更内容	变更日期	产品编号	ATL-151B	材质	FPC
公差范围 其它不超出±0.2	设计	客户编号	A99	版本	RA
	审核	零件名称	天线辐射单元	项目号	ATL-151
	核准	发行日期	2023-2-22	 第1页 共1页	

Passive performance test parameters

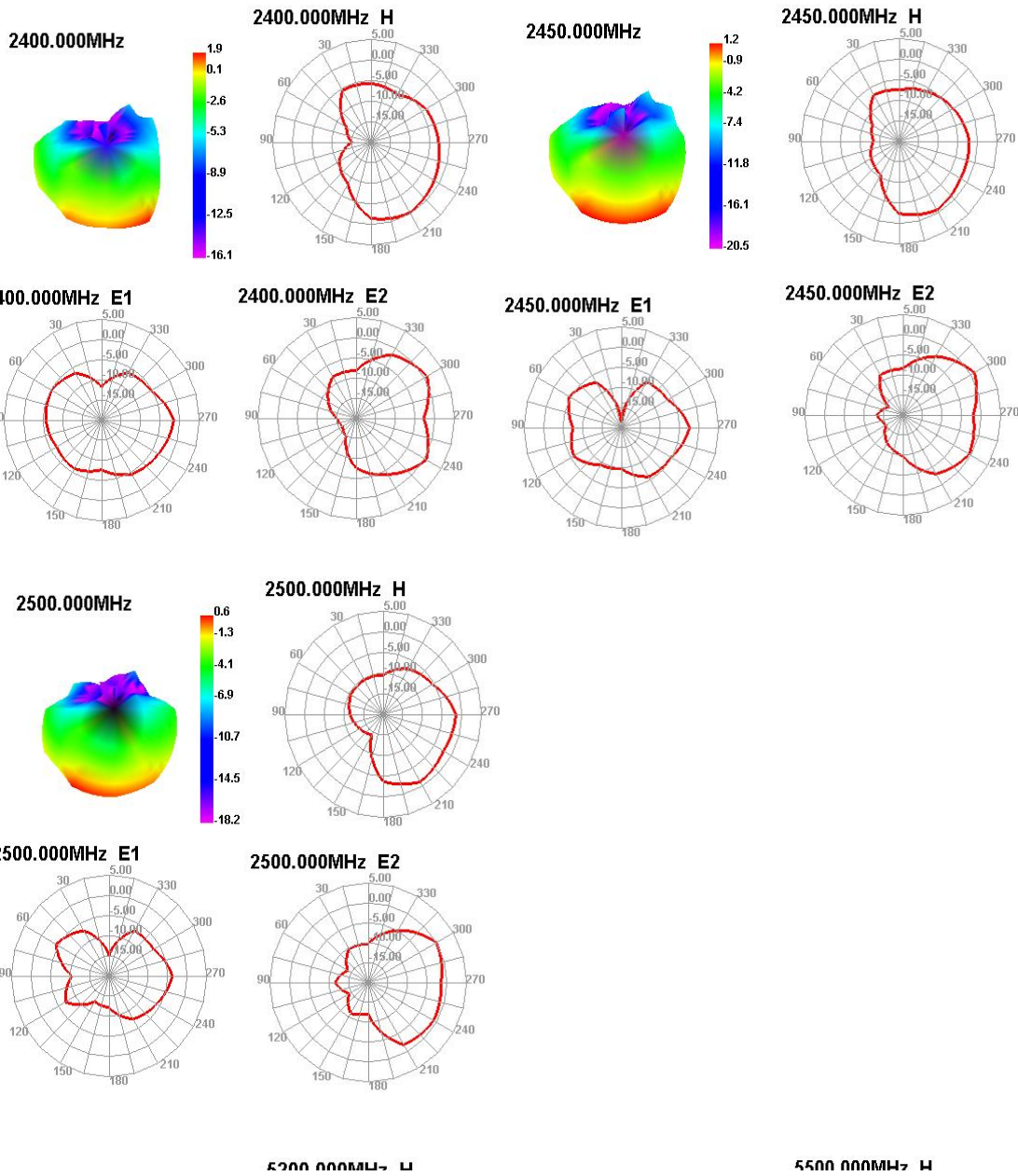
Frequency (GHz)	2.4	2.5
VSWR	2.2	1.8
Frequency (GHz)	5.15	5.85
VSWR	1.9	1.8



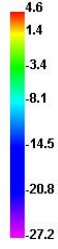
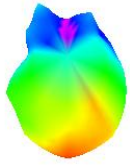
Antenna Passive Data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	37.26	1.88
2410	39.85	2.11
2420	36.24	1.62
2430	38.52	2.08
2440	32.59	1.17
2450	35.14	1.24
2460	30.25	0.5
2470	33.28	1.16
2480	31.1	0.61
2490	34.36	1.23
2500	30.29	0.58
5200	40.34	4.56
5220	36.53	4.14
5240	35.55	3.95
5260	34.54	3.84
5280	36.46	3.95
5300	36.26	3.67
5320	37.88	3.52
5340	39.5	3.29
5360	39.33	3.17
5380	39.01	2.72
5400	36.41	2.3
5420	36.72	2.29
5440	37.33	2.53
5460	36.5	2.58
5480	37.84	2.8
5500	42.14	3.53
5520	39.51	3.26
5540	36.91	2.81
5560	36.86	2.71
5580	36.58	2.6
5600	35.88	2.3
5620	37.15	2.32
5640	37.41	2.2
5660	38.81	2.38
5680	41.79	3.07
5700	42.9	3.42
5720	45.28	3.89
5740	47.12	4.19
5760	48.21	4.38
5780	44.69	4.21
5800	47.83	4.49

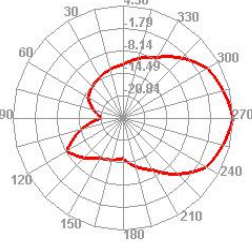
Directional diagram



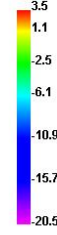
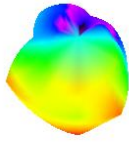
5200.000MHz



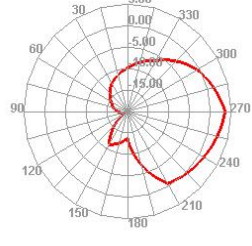
5200.000MHz H



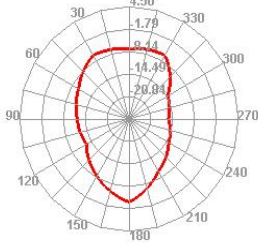
5500.000MHz



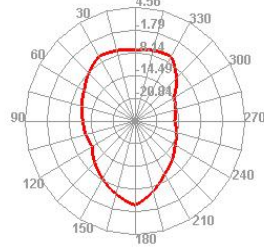
5500.000MHz H



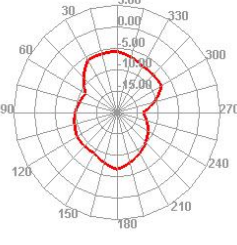
5200.000MHz E1



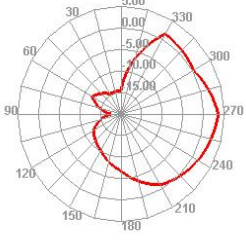
5200.000MHz E1



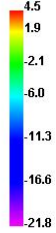
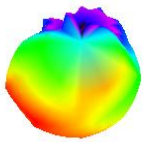
5500.000MHz E1



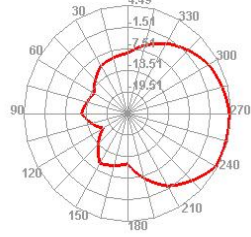
5500.000MHz E2



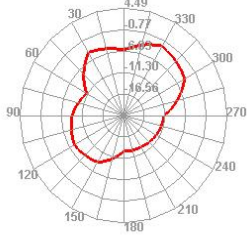
5800.000MHz



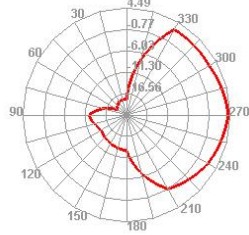
5800.000MHz H



5800.000MHz E1



5800.000MHz E2



Diaplex Pictures

