



深圳市博格斯通信技术有限公司

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Applicable to A99-SC200E EU project WIFI antenna solution

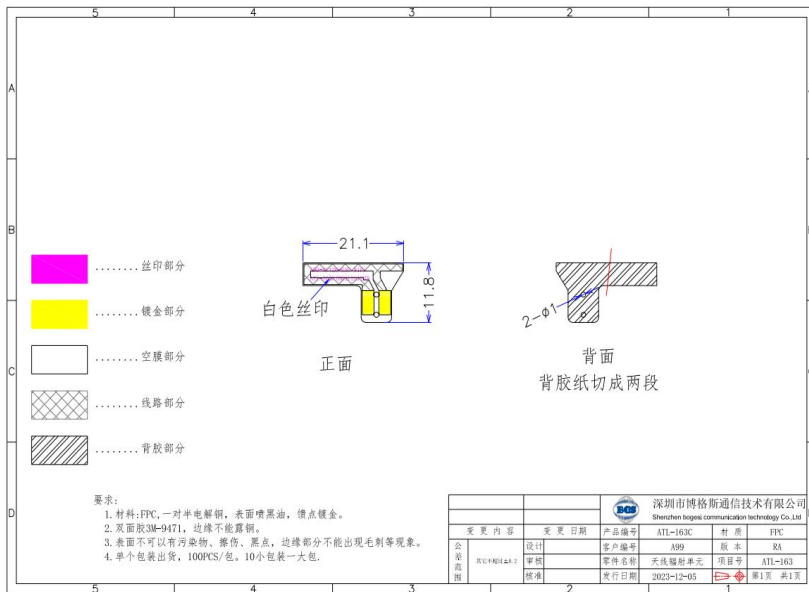
Electrical Specifications:

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: 0.01dBi 5100-5800MHz: 4.25dBi	Keep The Temperature	+19°C ~ +23°C
		Polarization	Linear Polarization

Test Conditions And Methods:

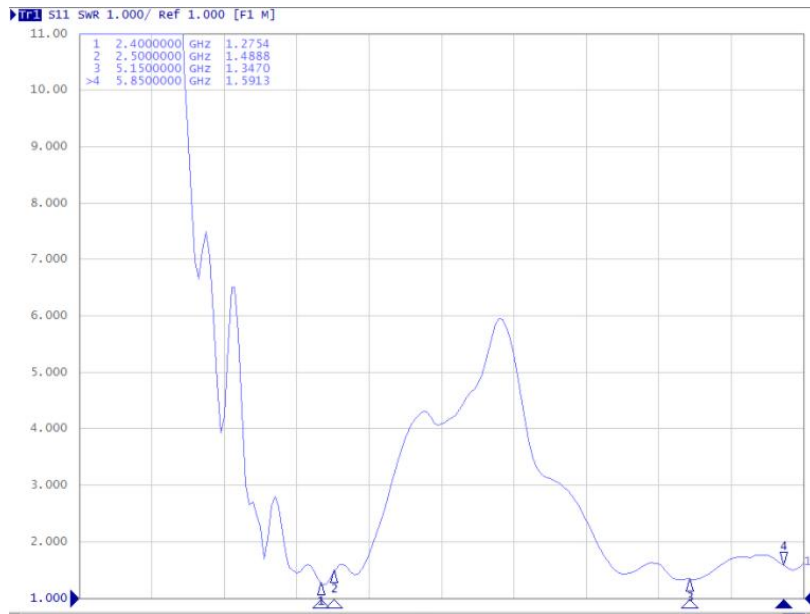
Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established. 3. Test antenna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

Product drawings



Passive performance test parameters

Frequency (GHz)	2.4	2.5
VSWR	1.27	1.48
Frequency (GHz)	5.2	5.8
VSWR	1.34	1.59

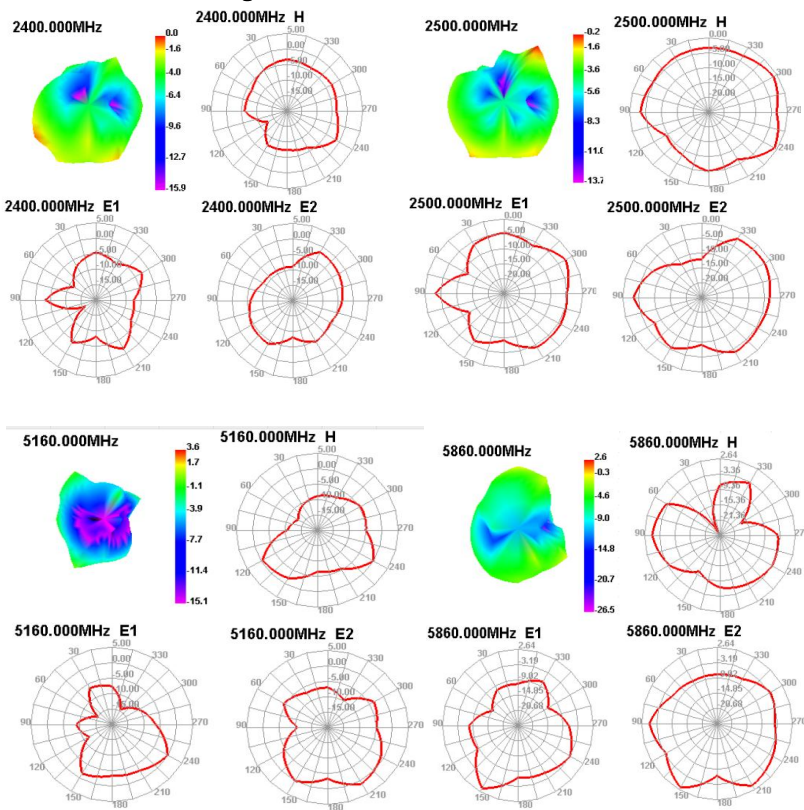


antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	35.02	0.01
2410	36.09	-0.13
2420	36.65	-0.25
2430	36.68	-0.39
2440	37.13	-0.45
2450	37.3	-0.22
2460	37.66	-0.07
2470	36.91	-0.15
2480	37.14	-0.15
2490	37.4	-0.15
2500	36.8	-0.22

Freq (MHz)	Effi (%)	Gain (dBi)
5100	42.53	3.24
5120	41.89	3.33
5140	43.16	3.61
5160	41.67	3.55
5180	46.2	4.07
5200	47.98	4.25
5220	47.36	4.22
5240	47.67	4.18
5260	46.77	4.07
5280	44.92	3.9
5300	45.4	3.85
5320	45.96	3.84
5340	43.32	3.45
5360	43.93	3.5
5380	40.48	3.05
5400	39.18	2.93
5420	38.88	3
5440	33.62	2.35
5460	34.18	2.37
5480	34.6	2.38
5500	32.31	1.93
5520	35.68	2.41
5540	36.21	2.45
5560	37.05	2.6
5580	38.44	2.82
5600	37.43	2.69
5620	37.61	2.66
5640	38.75	2.87
5660	38.29	2.76
5680	39.2	2.91
5700	38.93	2.96
5720	38.72	3.07
5740	39.4	3.18
5760	38.57	3.06
5780	37.81	3.06
5800	39.1	3.31

Directional diagram



Picture of machine

