



深圳市博格斯通信技术有限公司

shenzhen bogesi communication technology co.,ltd

Applicable to All project WIFI antenna solution

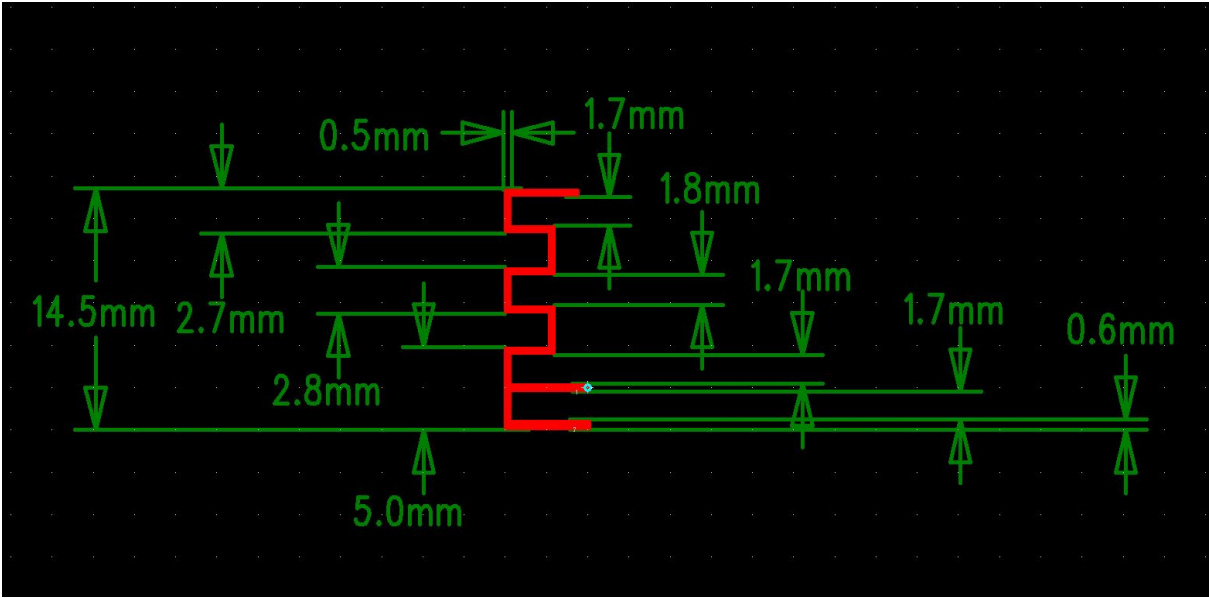
Electrical Specifications:

Frequency Band	2.4/5.8G	The Antenna Material	On PCB
Nominal Impedance	50 Ω	Antenna Connection Mode	Top touch
VSWR	≤ 5.0	Working Temperature	-40°C ~ +85°C
Peak Gain	2.4-2.5GHz: -5.6dBi	Keep The Temperature	+19°C ~ +23°C
	5.15-5.8GHz: 2.63dBi	Polarization	Linear Polarization

Test Conditions And Methods:

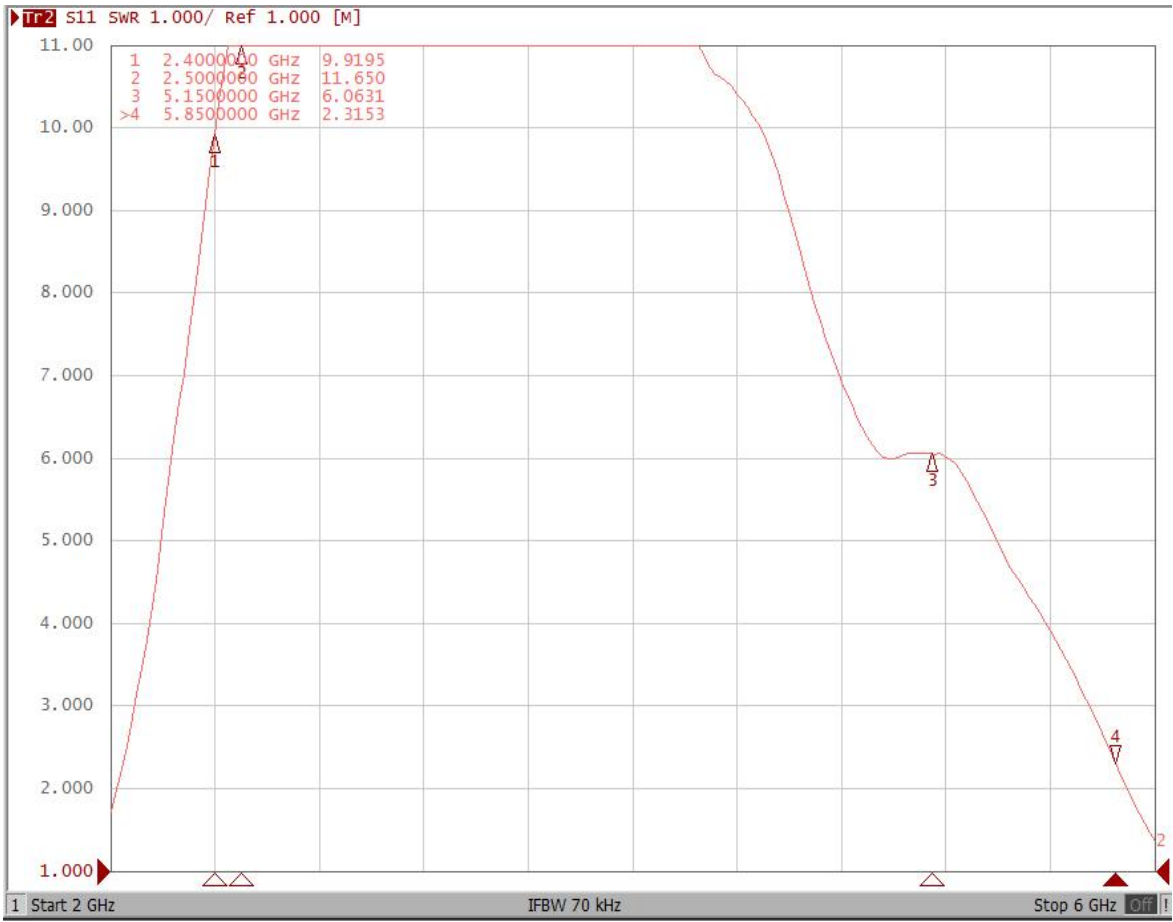
Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer 48 probe test system MT8862 comprehensive tester	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer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

Product drawings



Passive performance test parameters

Frequency(MHz)	2400	5150	5850
VSWR	9.9	6	2.3



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	11.32	-6.1	5100	15.08	-3.15	5500	16.19	-0.94
2410	12.29	-5.74	5120	15.45	-2.98	5520	20.82	0.13
2420	11.29	-6.12	5140	15.19	-3.08	5540	20.53	0.14
2430	11.02	-6.21	5160	14.76	-3.28	5560	20.21	0.1
2440	10.69	-6.12	5180	14.83	-3.07	5580	21.31	0.32
2450	11.6	-5.6	5200	16.71	-2.48	5600	23.81	0.81
2460	11.11	-5.75	5220	16.19	-2.59	5620	23.07	0.66
2470	10.41	-6.1	5240	18.56	-1.92	5640	27.86	1.48
2480	10.1	-6.17	5260	16.53	-2.31	5660	32.8	2.13
2490	9.22	-6.39	5280	16.74	-2.23	5680	30.81	1.77
2500	9.1	-6.15	5300	15.46	-2.57	5700	34.08	2.17
			5320	15.64	-2.51	5720	32.16	1.8
			5340	16.8	-2.01	5740	32.25	1.63
			5360	17.95	-1.55	5760	37.15	2.01
			5380	18.2	-1.3	5780	39.93	2.17
			5400	18.59	-1.04	5800	43.29	2.38
			5420	18.87	-0.82	5820	47.33	2.63
			5440	15.73	-1.47	5840	48.42	2.53
			5460	16.76	-1.14	5860	45	2.15
			5480	17.88	-0.66	5880	49.04	2.44
						5900	48.54	2.34

Directional diagram

