



Applicable to Q181 SE & Q181 mini project WIFI antenna solution

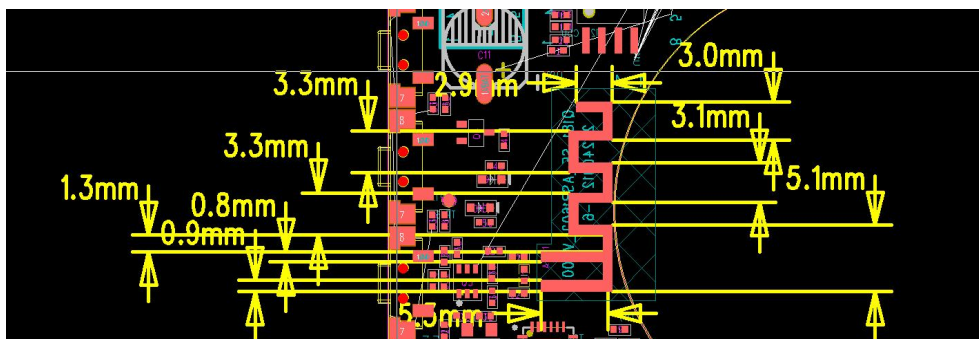
Electrical Specifications:

Frequency Band	2.4G/5G	The Antenna Material	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: 0.98dBi	Keep The Temperature	+19°C ~ +23°C
		Polarization	Linear Polarization

Test Conditions And Methods:

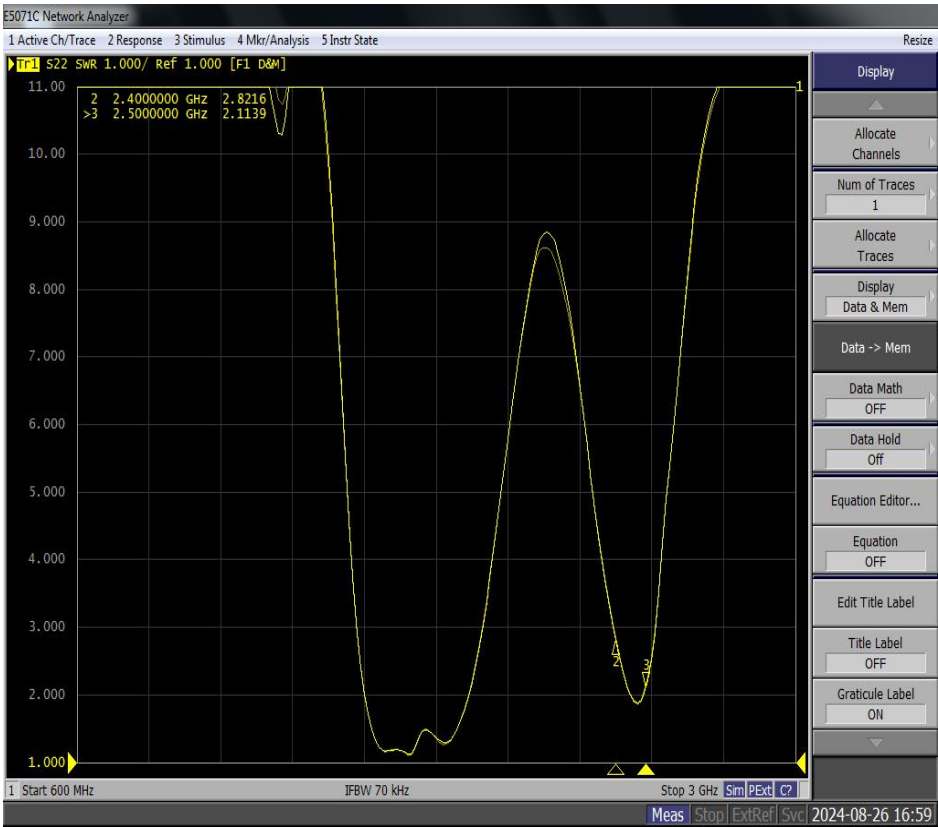
Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established. 3. Test antenna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

Product drawings



Passive performance test parameters

Frequency (MHz)	2400	2500	
VSWR	2. 82	2. 11	



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	25. 81	0. 05
2410	27. 3	0. 62
2420	28. 18	0. 69
2430	30. 41	0. 95
2440	31. 03	0. 98
2450	29. 96	0. 66
2460	29. 17	0. 37
2470	28. 39	0. 03
2480	30. 25	0. 14
2490	29. 22	-0. 07
2500	25. 86	-0. 59

Directional diagram

