

WIFI antenna specification

Manufacturer: Espressif Systems (Shanghai) Co., Ltd.

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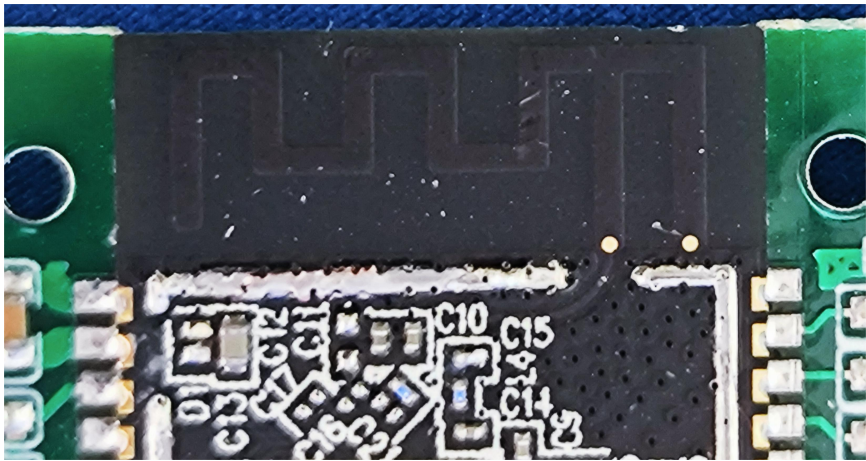
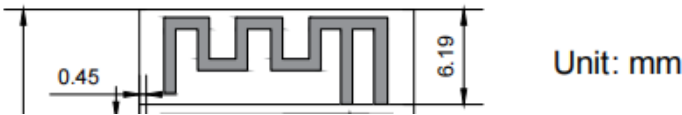
Electrical Specifications:

Frequency Band	2.4G/5G	The Antenna Material	PCBA
Nominal Impedance	50 Ω	Antenna Connection Mode	in PCBA
VSWR	≤5.0	Working Temperature	-40℃~+85℃
Peak Gain	2.4-2.5GHz: 0.89dBi	Keep The Temperature	+19℃~+23℃
		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

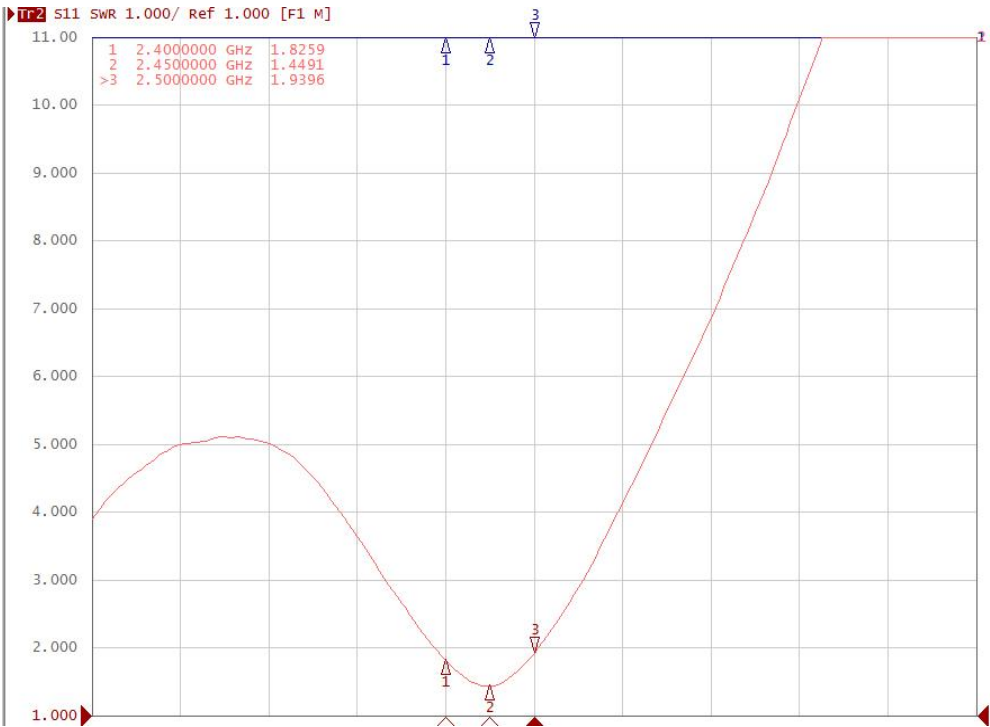
Product drawings



Espressif Systems (Shanghai) Co., Ltd.

Passive performance test parameters

Frequency (MHz)	2400	2450	2500
VSWR	1.82	1.44	1.93



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	42.71	0.66
2410	43.28	0.67
2420	44.98	0.89
2430	45.46	0.77
2440	45.2	0.69
2450	44.54	0.59
2460	44.34	0.02
2470	44.6	0.17
2480	42.11	-0.15
2490	41.32	0.28
2500	41.66	-0.56

Directional diagram

