



Applicable to Q181 mini project WIFI antenna solution

Electrical Specifications:

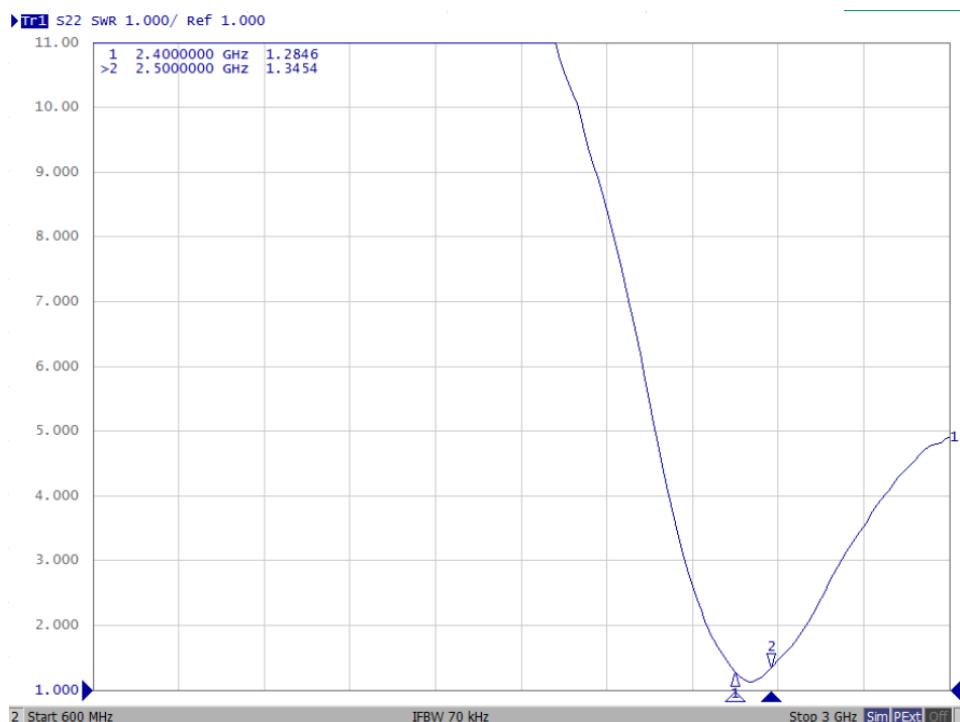
Frequency Band	2400MHz	The Antenna Material	PCB
Nominal Impedance	50 Ω	Antenna Connection Mode	
VSWR	≤ 4.0	Working Temperature	-40℃~+85℃
Peak Gain	2400-2500MHz:-1.72	Keep The Temperature	+19℃~+23℃
		Polarization	Linear Polarization

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

Passive performance test parameters

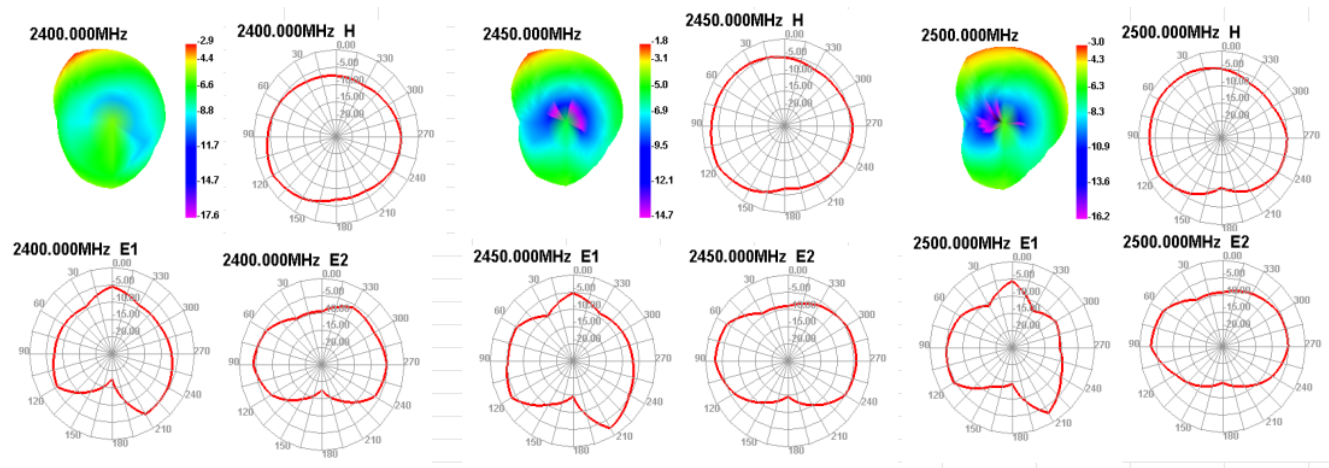
Frequency (MHz)	2400	2500	
VSWR	1.28	1.35	



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	16.62	-2.92
2410	18.74	-2.65
2420	20.43	-2.46
2430	22.48	-2.2
2440	23.57	-1.99
2450	24.13	-1.77
2460	23.89	-1.72
2470	22.89	-1.84
2480	21.73	-2.14
2490	19.98	-2.56
2500	17.39	-3.01

Directional diagram



antenna dawning:

