深圳市博格斯通信技术有限公司
shenzhen bogesi communication technology co.,ltd

Applicable to KD69 project WIFI antenna solution

Electrical Specifications:

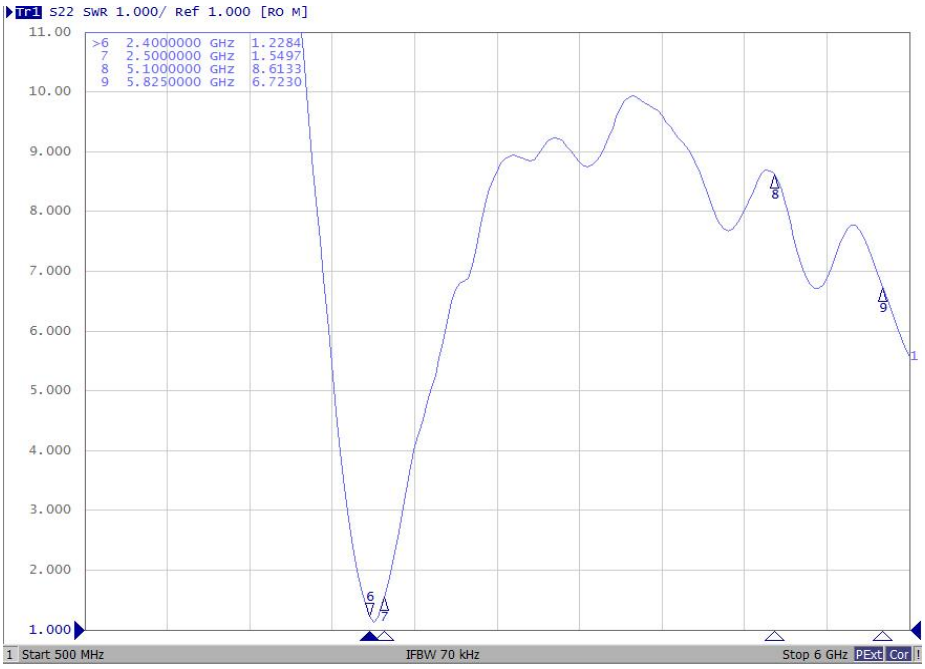
Frequency Band	2400MHz	The Antenna Material	PCB
Nominal Impedance	50Ω	Antenna Connection Mode	
VSWR	≤4.0	Working Temperature	-40℃～+85℃
Peak Gain	24002500MHz:1.16	Keep The Temperature	+19℃～+23℃
		Polarization	Linear Polarization

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	1.23	1.55	



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	36.66	0.18
2410	40.78	0.74
2420	41.25	0.88
2430	42.84	1.15
2440	42.73	1.16
2450	41.91	1.01
2460	40.38	0.76
2470	39.23	0.59
2480	39.88	0.75
2490	39.71	0.96
2500	39.18	1.07

Directional diagram