



Applicable to G25-EC200A-AU WIFI antenna solution

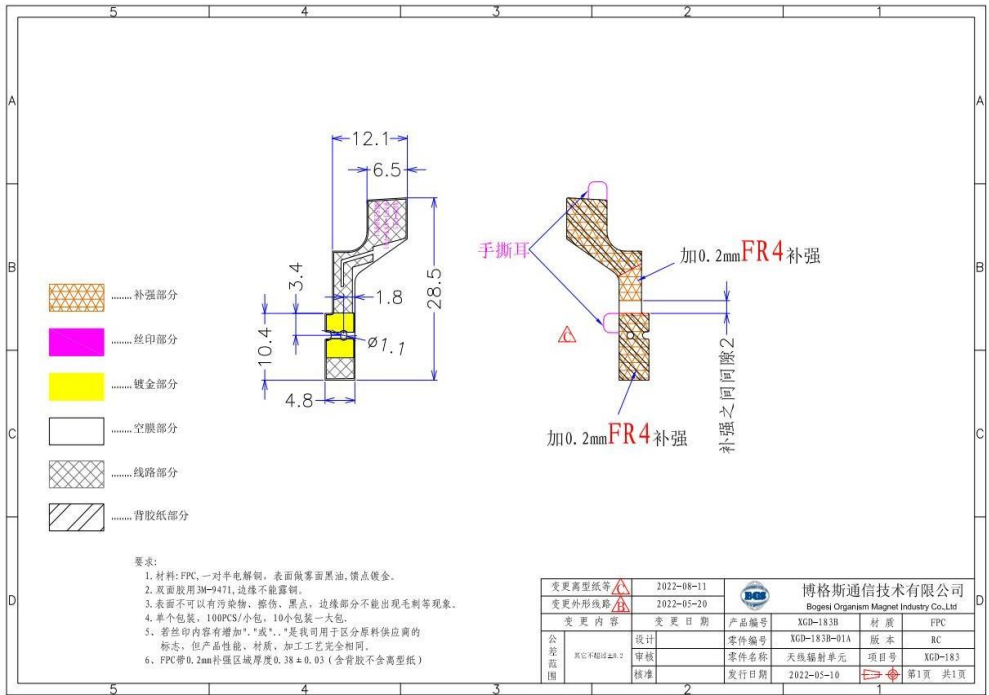
Electrical Specifications:

Frequency Band	WIFI	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	Touch
VSWR	≤ 5.0	Working Temperature	-40°C ~ +85°C
Peak Gain	2400-2500MHz: 4.69dBi	Keep The Temperature	+19°C ~ +23°C
	5100-5800MHz: 5.73dBi	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

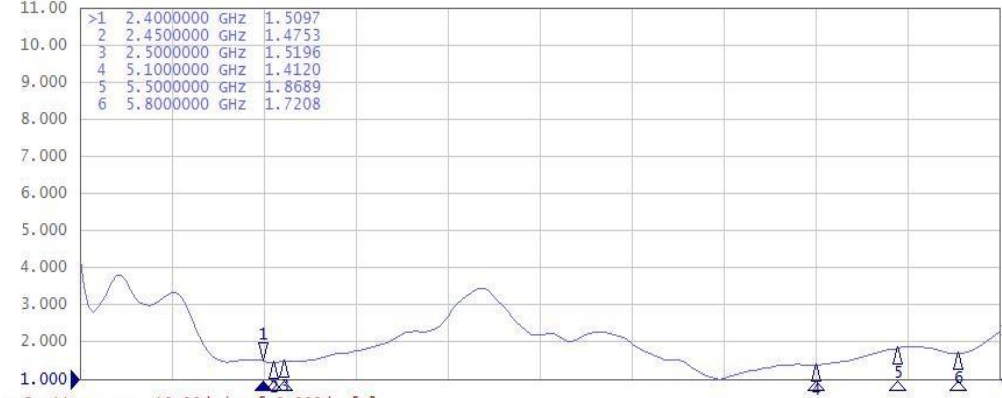
Product drawings



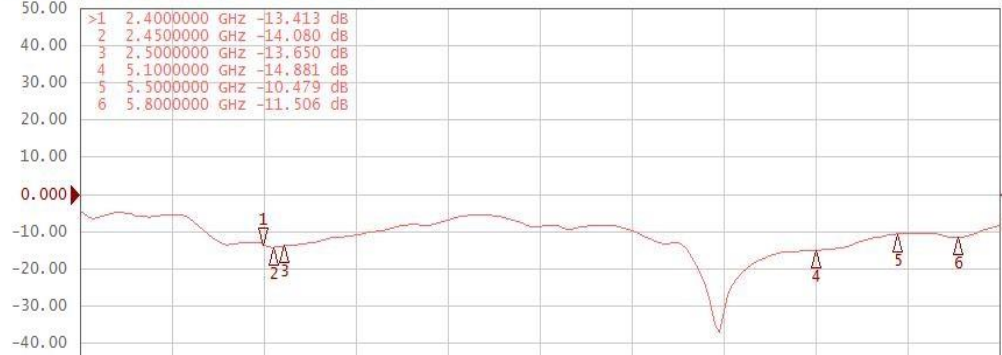
Passive performance test parameters

Frequency (GHz)	2.4	2.5	5.1	5.8
VSWR	1.51	1.51	1.41	1.72

Tr1 S11 SWR 1.000/ Ref 1.000 [M]



Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [M]



antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.4	4.5
2410	61.18	4.69
2420	59.36	4.1
2430	60.05	4.41
2440	56.88	3.54
2450	58.78	3.62
2460	56.02	3.09
2470	57.63	3.63
2480	56.08	3.47
2490	59.56	3.99
2500	55.27	3.78
5100	61.62	5.73
5120	59.59	5.42
5140	57.97	4.79
5160	56.78	4.53
5180	52.63	4.13
5200	49.93	3.42
5220	48.17	3.13
5240	44.78	2.5
5260	45.13	2.71
5280	42.4	2.87
5300	44.27	2.99
5320	46.35	3.29
5340	45.67	3.44
5360	46.23	3.4
5380	45.34	3.34
5400	45.19	3.11
5420	44.11	2.99
5440	43.52	2.61
5460	43.57	2.59
5480	46.69	3.03
5500	44.95	2.64
5520	44.62	2.58
5540	43.4	2.46
5560	43.45	2.27
5580	43.19	2.04
5600	42.1	1.75
5620	41.61	1.26
5640	39.25	0.87
5660	37.07	0.58
5680	38.79	0.96
5700	39.75	1.01
5720	41.34	1.43
5740	42.59	1.76
5760	43.12	2.34
5780	43.92	2.8
5800	43.1	2.77

Directional diagram

