



Applicable to A80-SC200L-AU project WIFI antenna solution

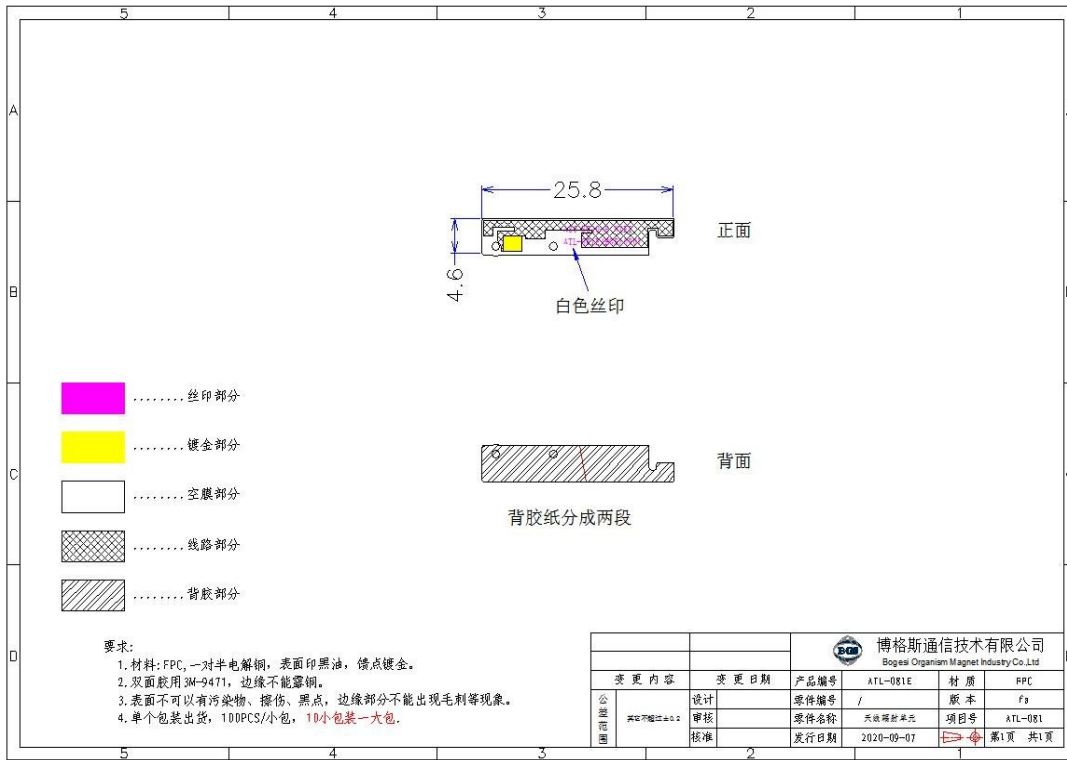
**Electrical Specifications:**

Frequency Band	2.4G/5G	The Antenna Material	FPC
Nominal Impedance	50 Ω	Antenna Connection Mode	Top touch
VSWR	≤5.0	Working Temperature	-40℃~+85℃
Peak Gain	2.4-2.5GHz: -1.19dBi	Keep The Temperature	+19℃~+23℃
	U-NII-1: -0.18dBi, U-NII-2A: 2.88dBi, U-NII-2C: 0.6dBi, U-NII-3: -0.92dBi	Polarization	Linear Polarization

**Test Conditions And Methods:**

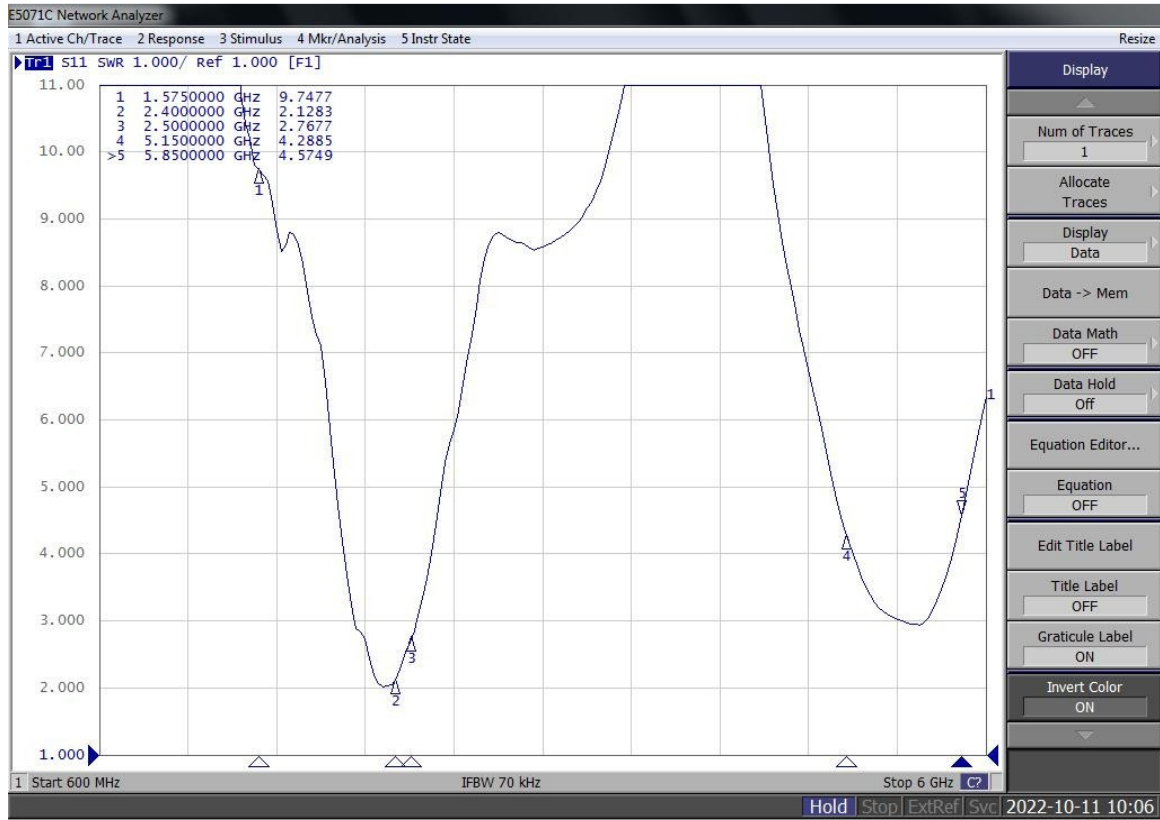
Test Instruments	Test Method	Test Result
7*4*3 microwave darkroom E5071B network analyzer 48 probe test system MT8862 comprehensive tester	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established. 3. Test antenna passive data with test software.	Refer to the Test Report

# Product drawings



## Passive performance test parameters

Frequency (MHz)	2400	5150	5850
VSWR	2.12	4.28	4.57

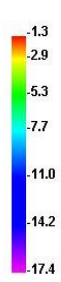
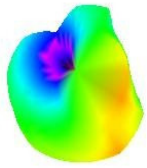


**antenna passive data:**

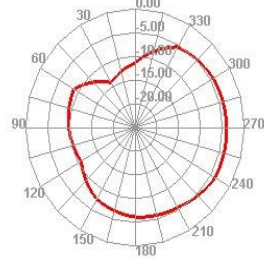
Freq (MHz)	Effi (%)	Gain (dBi)
2400	28.29	-1.92
2410	28.82	-1.57
2420	29.07	-1.47
2430	29.56	-1.28
2440	29.17	-1.19
2450	29.5	-1.44
2460	26.39	-2.06
2470	24.87	-2.38
2480	20.57	-2.51
2490	21.92	-2.3
2500	20.99	-2.67
5140	14.56	-0.79
5160	14.48	-0.64
5180	13.63	-0.8
5200	13.66	-0.92
5220	14.37	-0.5
5240	15.2	-0.18
5260	18.51	0.61
5280	22.25	1.33
5300	24.6	1.68
5320	32.29	2.78
5340	34.96	2.88
5360	35.22	2.8
5380	33.97	2.59
5400	28.89	1.81
5420	28.49	1.72
5440	26.19	1.42
5460	22.48	0.54
5480	23.15	0.57
5500	21.92	0.11
5520	21.96	0.12
5540	24.1	0.51
5560	23.64	0.16
5580	25.09	0.6
5600	23.44	0.23
5620	19.4	-0.51
5640	16	-1.13
5660	12.65	-1.97
5680	12.11	-2.23
5700	10.97	-2.35
5720	11.26	-2.22
5740	12.43	-1.86
5760	12.83	-1.77
5780	14.04	-1.23
5800	16.95	-0.92

# Directional diagram

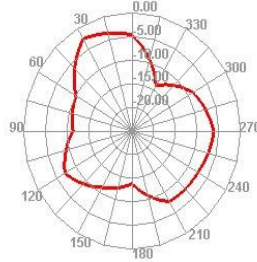
2430.000MHz



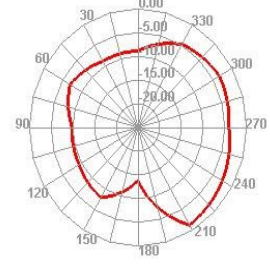
2430.000MHz H



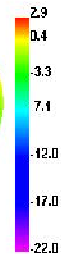
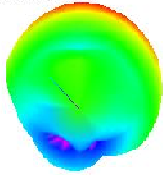
2430.000MHz E1



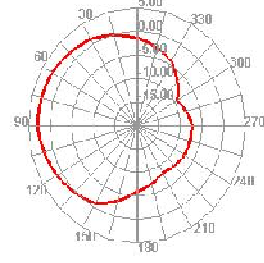
2430.000MHz E2



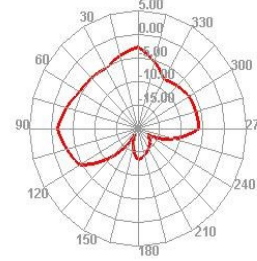
5340.000MHz



5340.000MHz H



5340.000MHz E1



5340.000MHz E2

