

Antenna describe

1. Antenna describe;

Antenna plate	PCB antenna
Make name/model name	G3-W01
SIZE	10mm*4mm
Antenna gain	0.83dBi
Frequency range	2.4GHz—2.4835GHz
Format VSWR	1.5
Format Smith	50 Ω
Format Log Mag	-18.31dB

2. External view drawing;

Picture of antenna



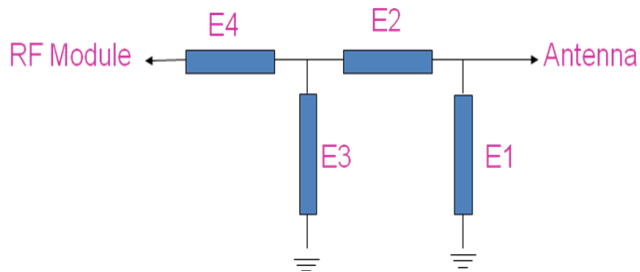
Manufacturer:	Shenzhen Soartop Technology Co., Ltd.
Address:	6/F, No.4 building, Baoshu Tech Industrial Park, Xixiang, Baoan, Shenzhen, China

Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

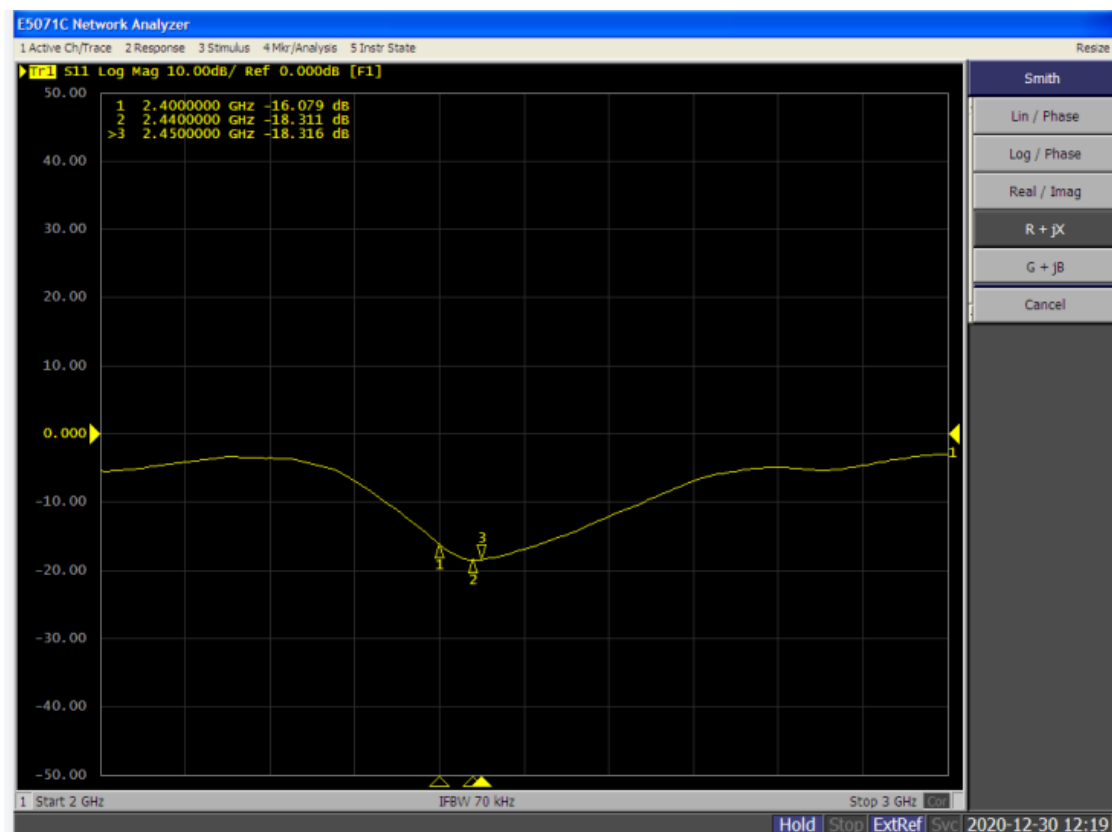


Antenna Matching Network

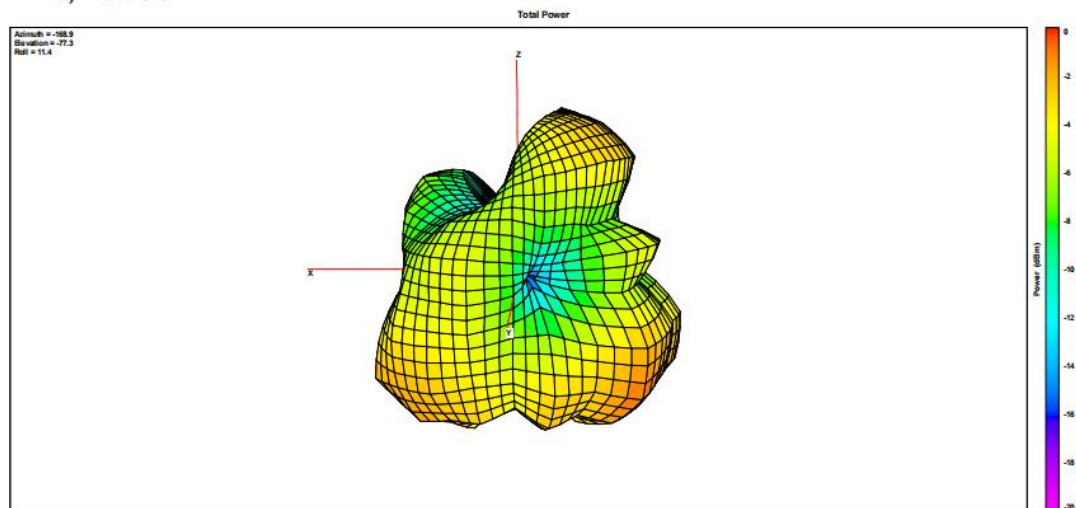


Element	Capacitor	Inductor
E1	N/A	N/A
E2	N/A	N/A
E3	N/A	N/A
E4	N/A	N/A

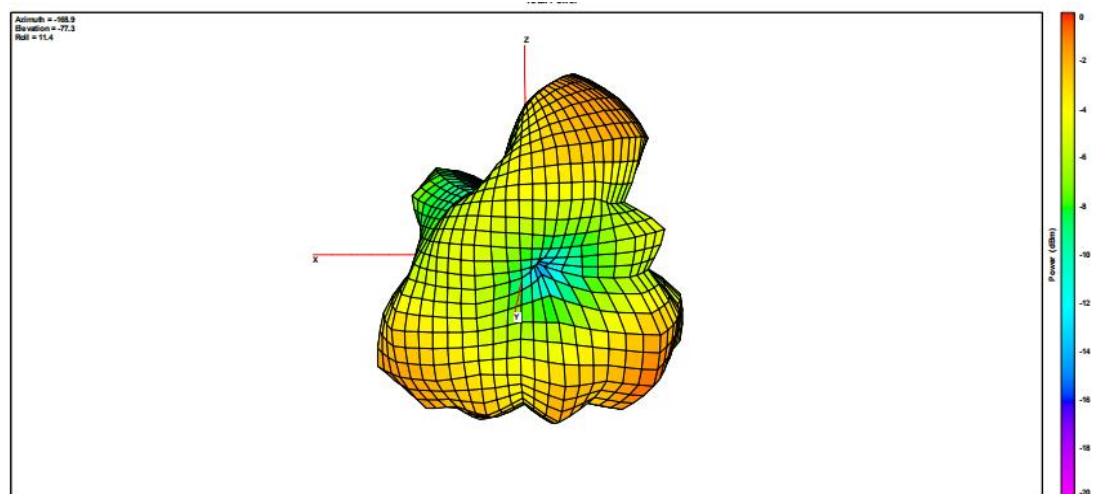
The end matching circuit of the PCB board has not been modified.



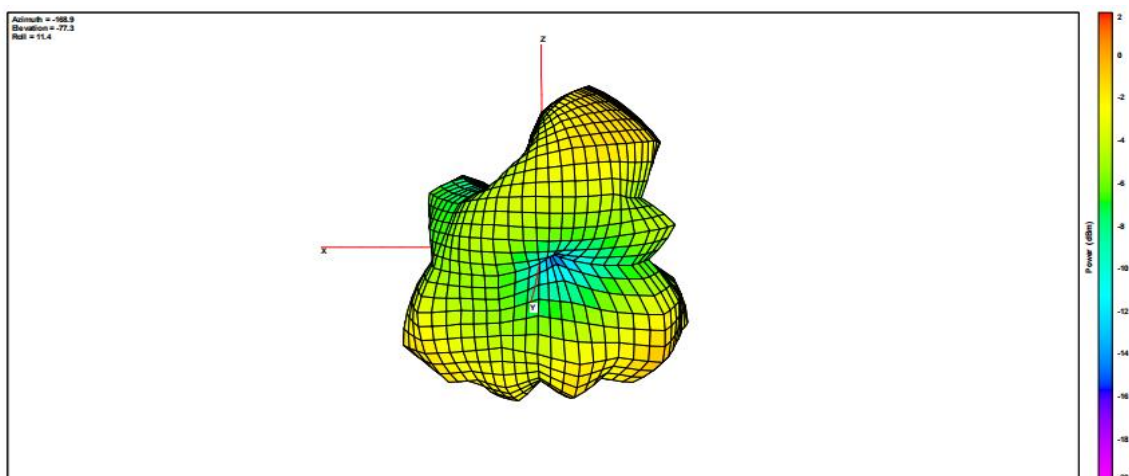
a) 3D 图



2400MHz



2450MHz



2500MHz

Passive Test 2.4GHz											
Fre (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi(%)	34.05	33.41	33.10	33.60	34.79	32.35	32.33	30.27	28.72	26.23	25.71
Gain(dBi)	0.39	0.47	0.48	0.53	0.42	0.37	0.62	0.83	0.75	0.99	1.02

b) 2D 图

