

Antenna describe

1. Antenna describe;

Antenna plate	PCB antenna
Make name/model name	APEX1500
Size	53mm*1.3mm
Antenna gain	0.44dBi
Frequency range	2.4GHz—2.5GHz
Format VSWR	1.5
Format Smith	50 Ω
Format Log Mag	-18.31dB

2. External view drawing;

Manufacturer: E.shine Systems Limited

Address: 9th-10th floors, Building 3, No.128 Shajing Shangnan East Road,
Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen,
Guangdong, China 518125

Picture of antenna

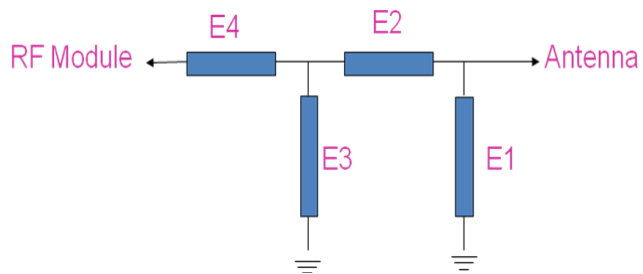


Test System

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

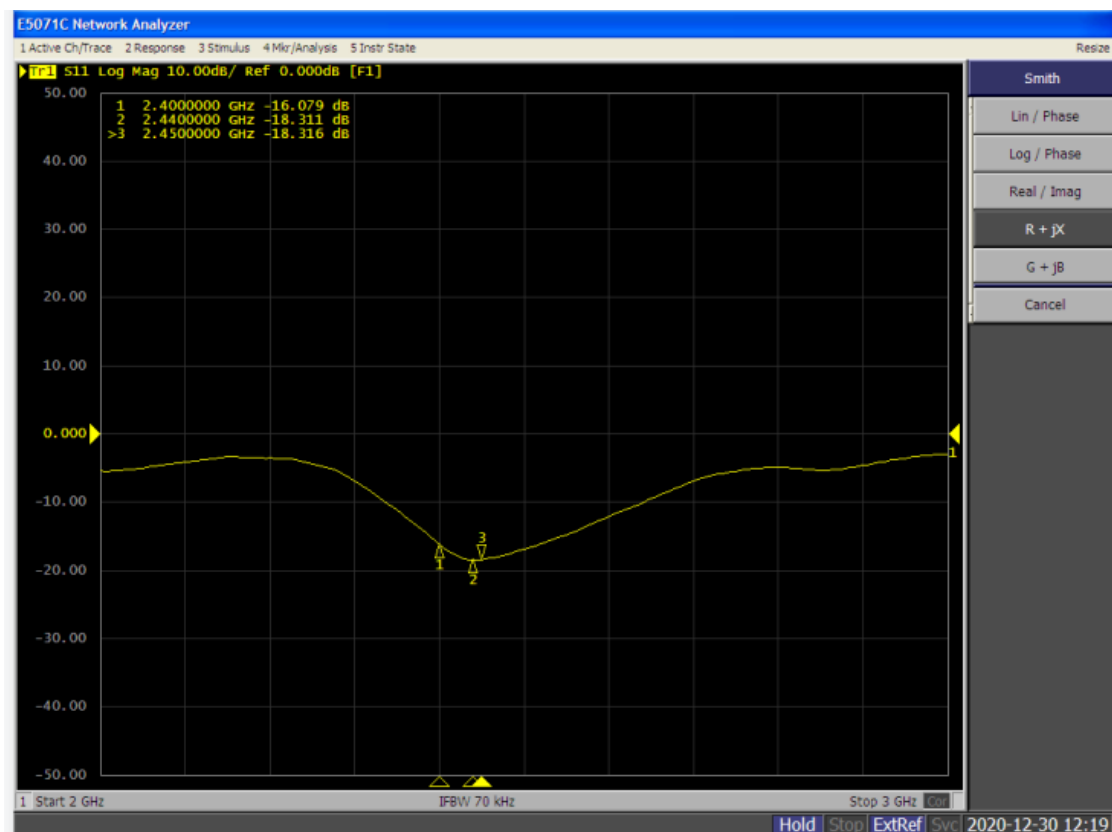


Antenna Matching Network

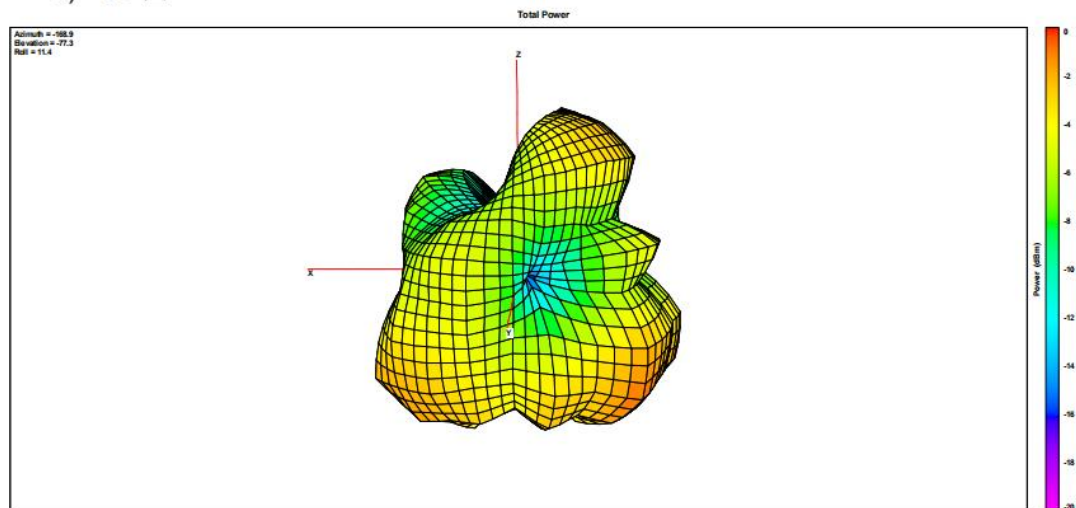


Element	Capacitor	Inductor
E1	N/A	N/A
E2	N/A	N/A
E3	N/A	N/A
E4	N/A	N/A

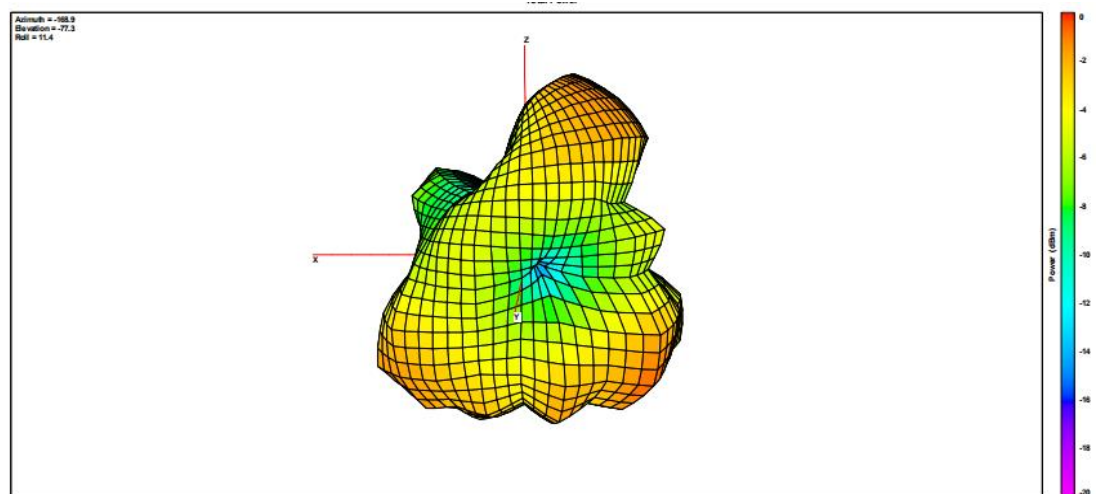
PCB板端匹配电路未改动



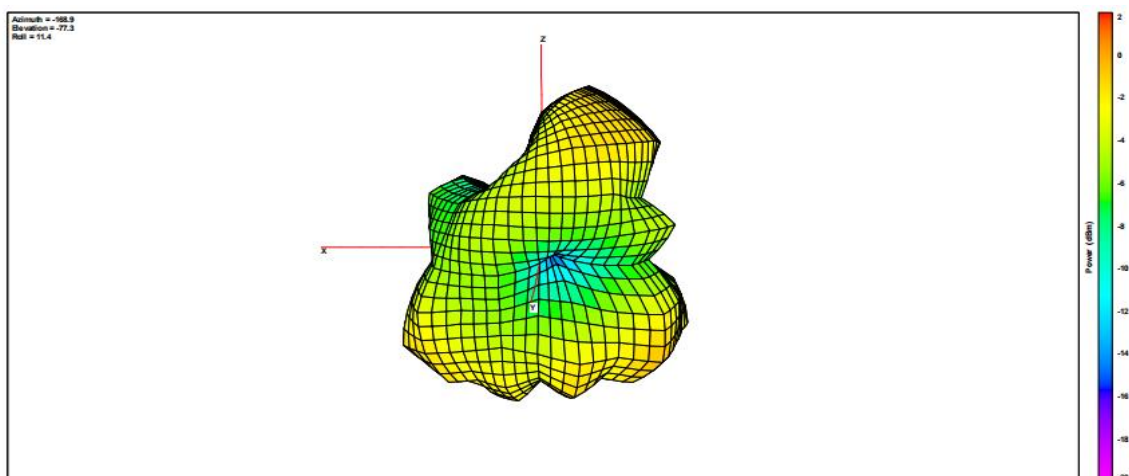
a) 3D 图



2400MHz



2450MHz



2500MHz

频率	增益(dBi)	效率(%)
2400MHz	-0.44	27.83
2410MHz	-0.50	27.77
2420MHz	-0.68	27.70
2430MHz	-0.71	27.90
2440MHz	-0.49	29.61
2450MHz	-0.27	31.14
2460MHz	-0.24	31.91
2470MHz	-0.38	32.01
2480MHz	-0.37	32.01
2490MHz	-0.02	32.96
2500MHz	0.44	34.66

b) 2D 图

