

Antenna Specification

Manufacture: OPAQI

Product Name: Power Bar

Antenna Type: PCB

Test Date: 2024.12.4

Tested by: Peng huang

Approved by: Apple

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1.General Description

Manufacturer	DONGGUAN OPAQI ELECTRONIC TECHNOLOGY CO., LTD
Address	No.2 Of Xifu Road. HongYeBeiLu. LinCun. TangXia Town. DongGuan. GuangDong
Test Location	Dahua Jianghong International Innovation Park, 369 Internet of Things Street, Binjiang District, Hangzhou
Product Name	Power Bar
Product model	PB10-1000
Antenna Type	PCB Antenna
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	2400-2500MHz
Test Standard	ANSI/IEEE Std 149-1979

2.Test Configurations

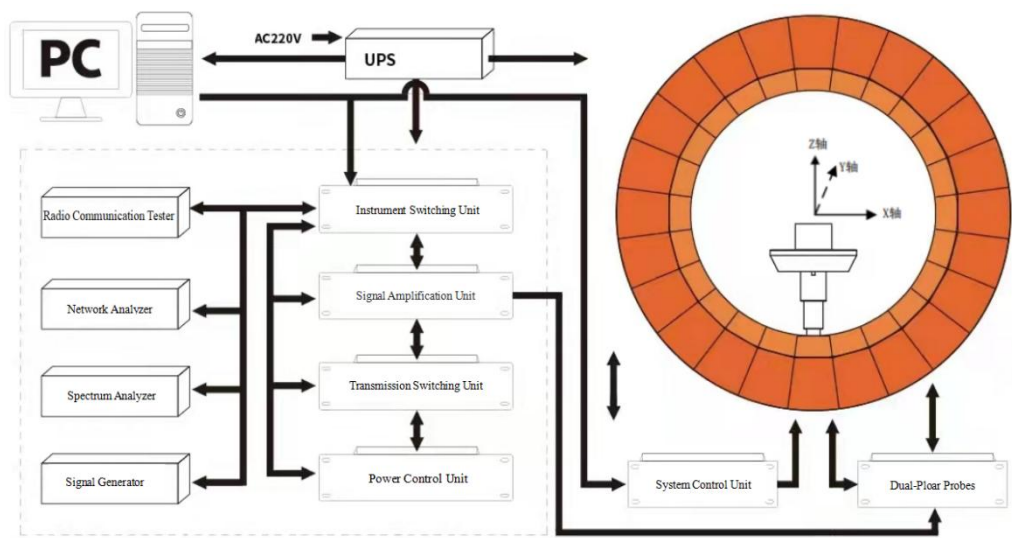
2.1 Test Environment

Temperature (°C)	25
Humidity (%RH)	60
Atmospheric Pressure (kPa)	100.5

2.2 Test Equipment

Test System	Multi-probe Microwave Chamber
Test Software	Passive Test
Software Version	V2.7.0
Test Instrument	Agilent E5071B

2.3 Test Principle

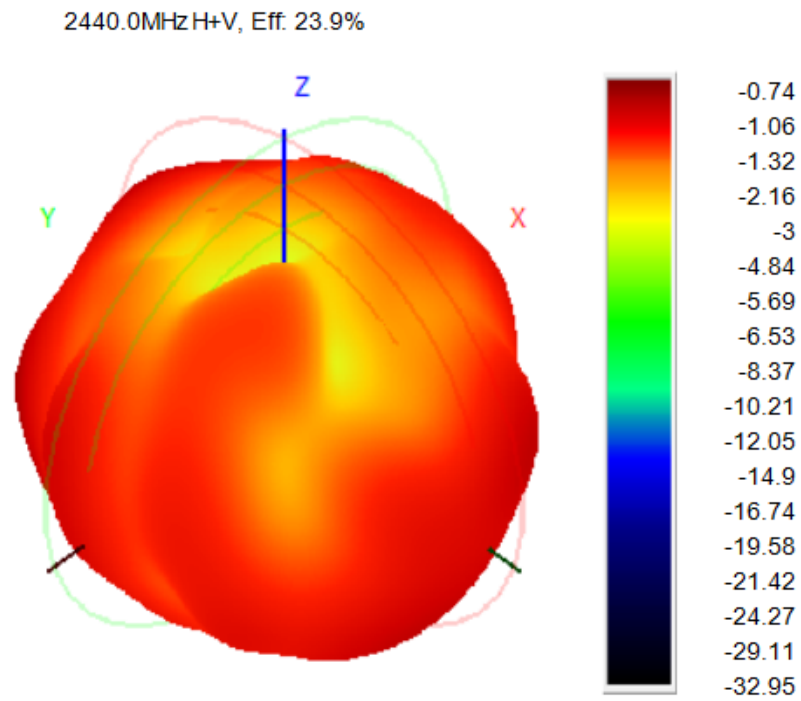


3.Test Results

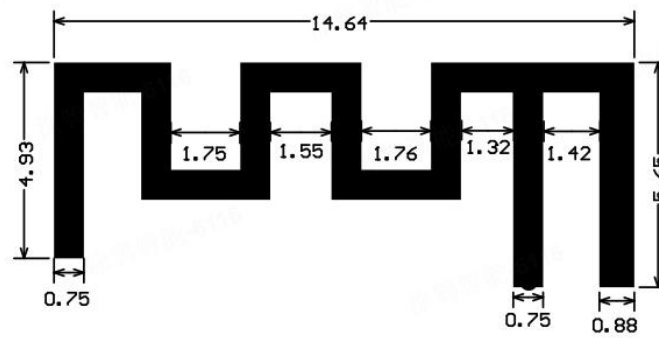
3.1 Gain and Efficiency

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	-2.48	13.37
2410	-2.39	16.03
2420	-1.48	18.79
2430	-1.15	20.23
2440	-0.74	20.94
2450	-1.71	19.5
2460	-1.73	18.03
2470	-1.85	15.78
2480	-2.46	13.74
2490	-4.19	10.12
2500	-4.36	8.91

3.2 Radiation Pattern Unit: dBi



4. Antenna Dimensions



Unit: mm

5. EUT Photo



6.Test Setup Photo

