

承 认 书

SPECIFICATION FOR APPROVAL

厂 商 名 称

东莞市小帅电子科技有限公司

Manufacturer Name : Dongguan Xiaoshuai Electronic Technology Co., Ltd

产 品 名 称

PRODUCT NAME: 黑 色 P C B 天 线

客 户 料 号

CUSTOMER P/N:

电子料号

P/N:

REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2024-03-18	

Contents

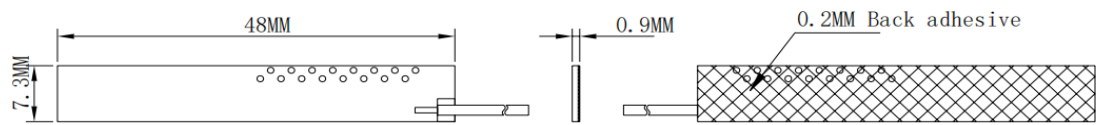
<i>Item</i>	<i>Description</i>
一、 -----	Specification sheet
二、 -----	Dimension drawing
三、 -----	Test report

一、 Specification sheet:

Product main technical parameters

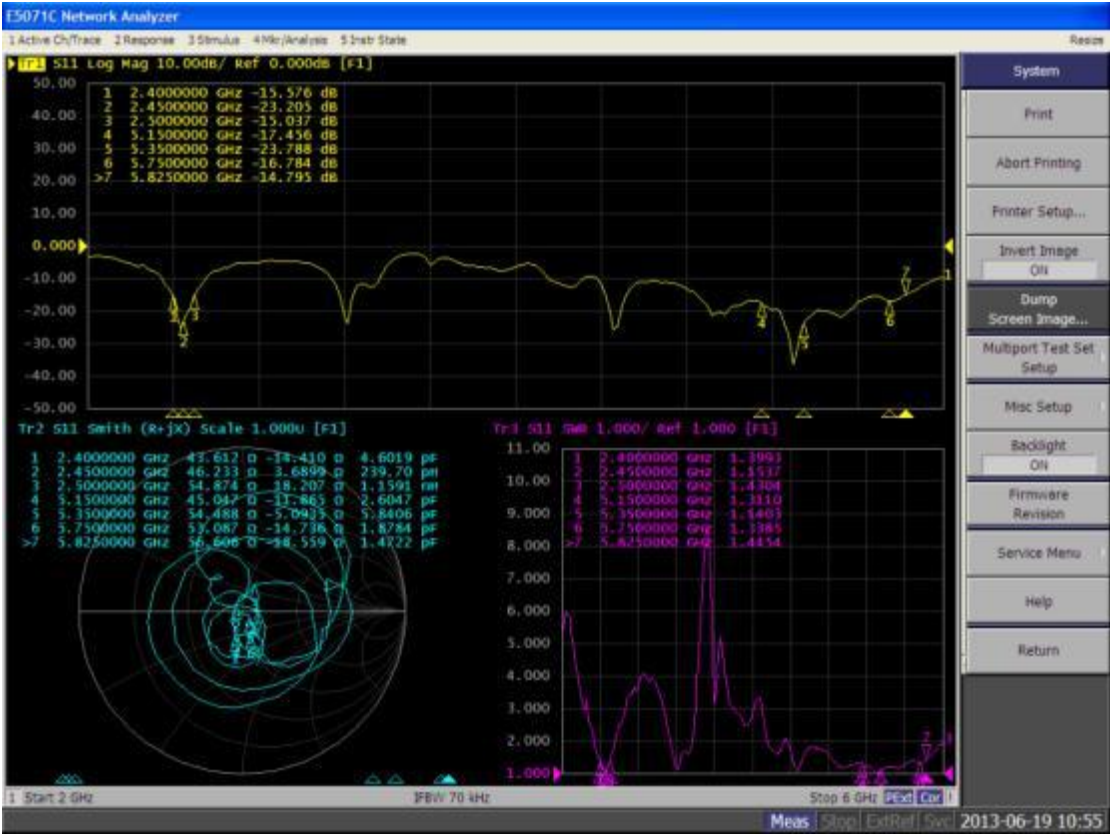
Main technical specifications	
Frequency Range (MHZ)	2400~2500/ 5150~5850
Impedance(Ω)	50
WIFI 5G Peak Gain(dBi)	5.49
WIFI 2.4G Peak Gain(dBi)	5.58
VSWR	≤ 1.92
Admitted Power	10W
Polarization	Linear,Vertical
Radiation	Omni-directional
Connector Type	IPEX
Physical Properties	
Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+70℃

二、Dimension drawing

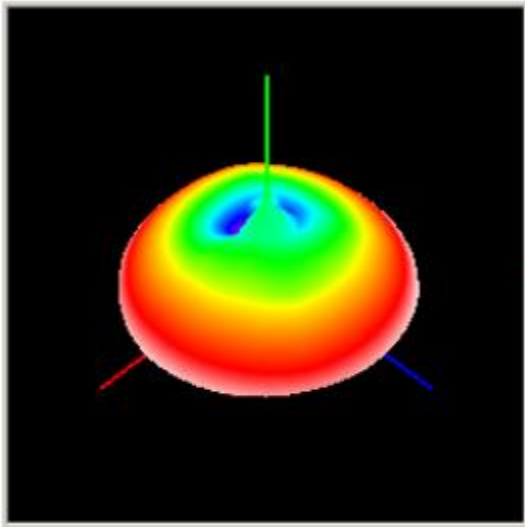


三、Test report

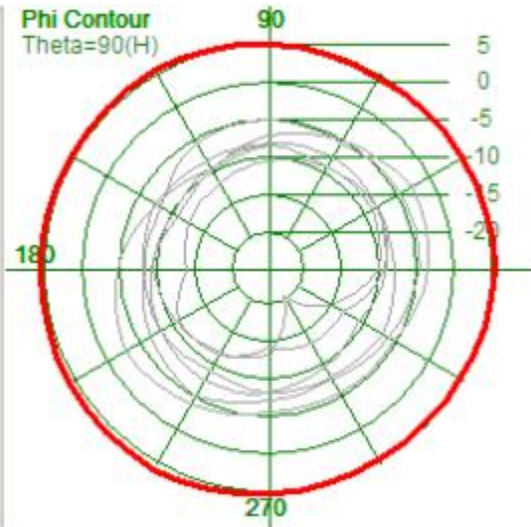
3.1: 网络分析仪测试报告/Network analyzer test report



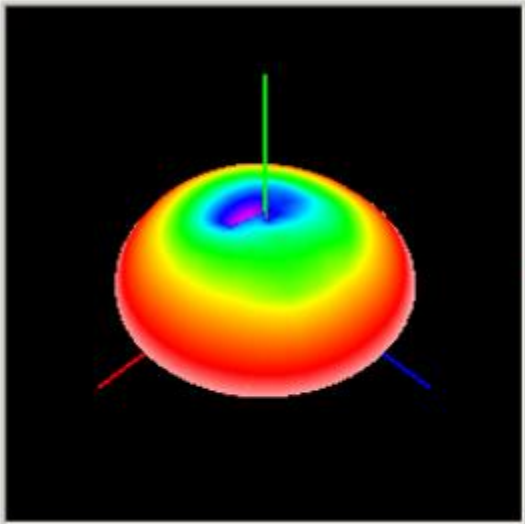
3.2: 暗室 2D、3DRaditation Pattern



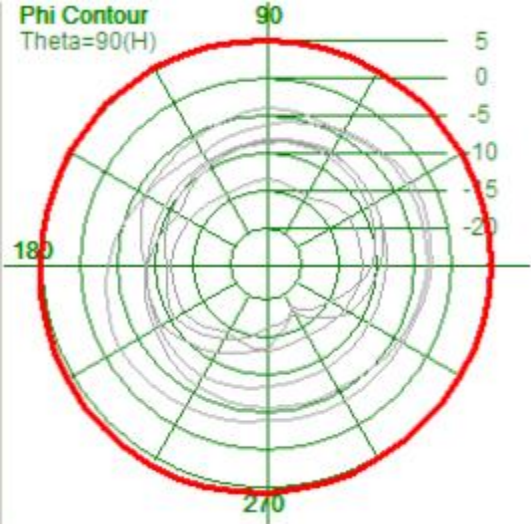
2.4GHz Gain: 4.82Bi



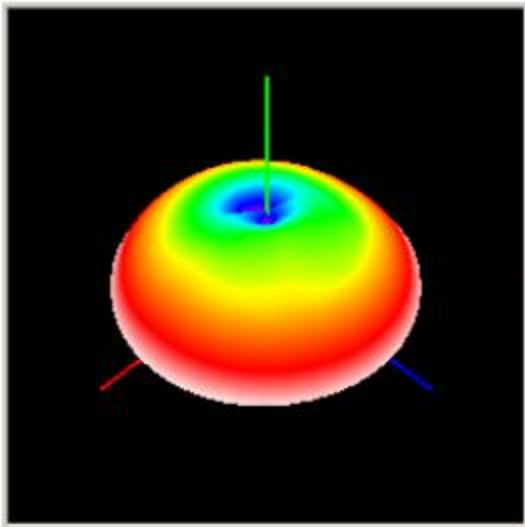
Efficiency:53.07%



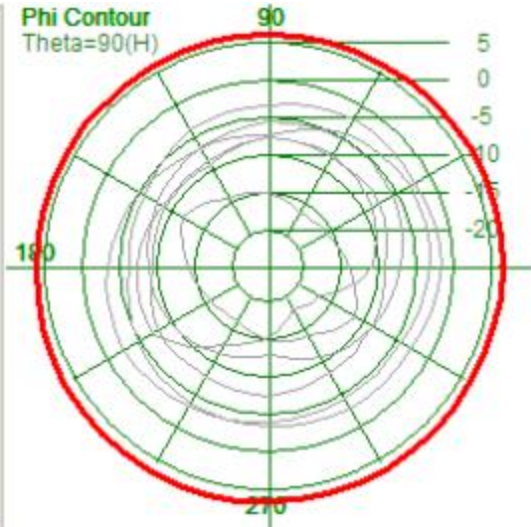
2.45GHz Gain: 5 . 5 4 dBi



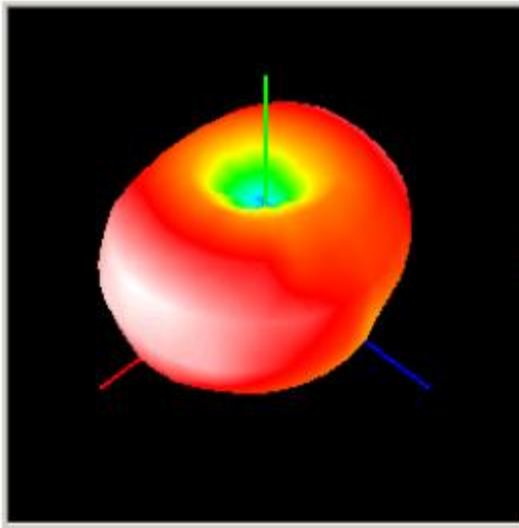
Efficiency: 5 4 . 0 1 %



2.5GHz Gain: 4.89dBi

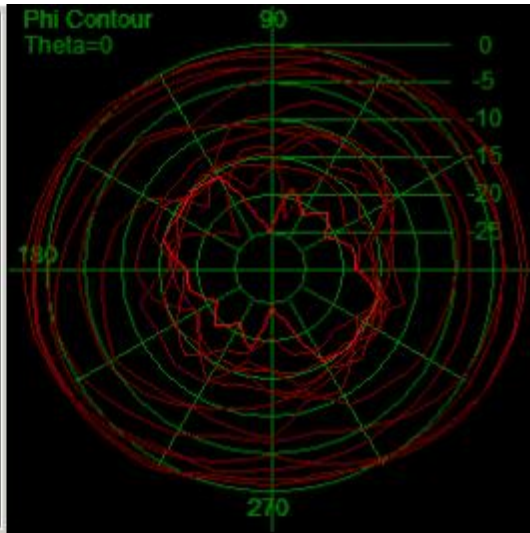


Efficiency: 5 5 . 1 3 %

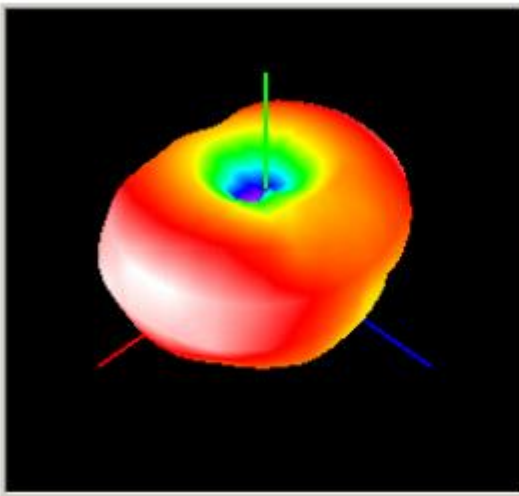


5.15GHz

Gain: 2.98dBi

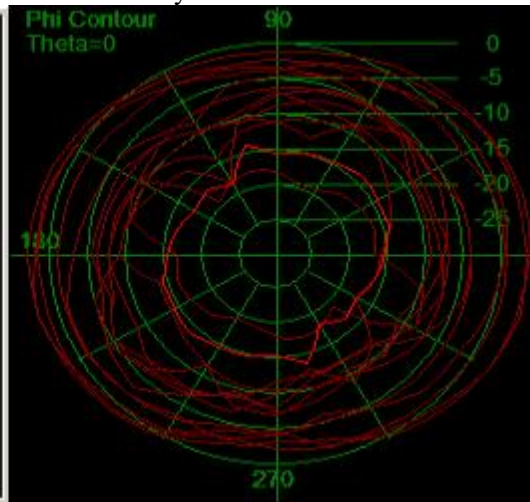


Efficiency: 40.07%

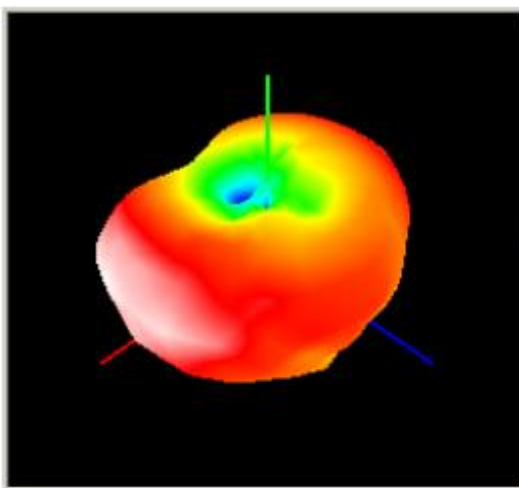


5.35GHz

Gain: 5.48 dBi

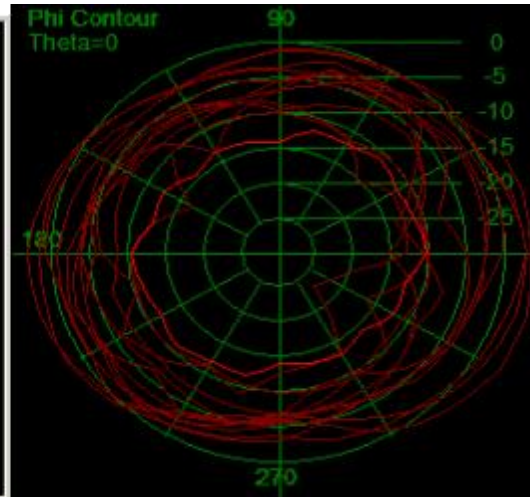


Efficiency: 63.25 %

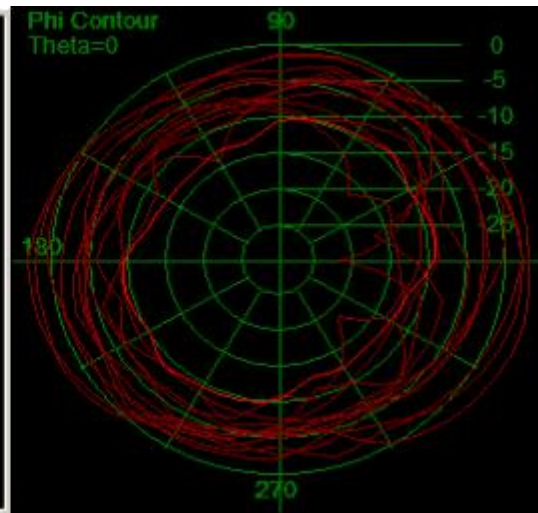
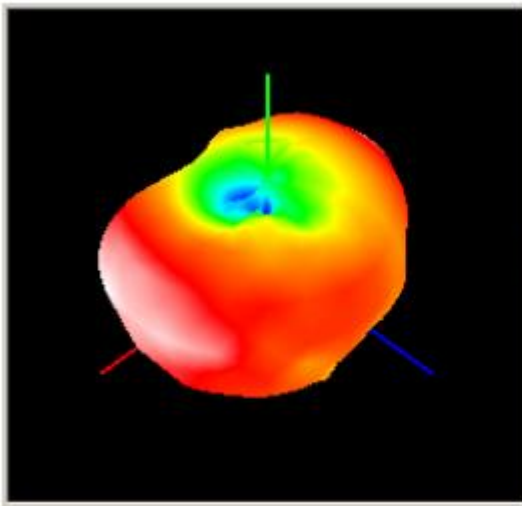


5.75GHz

Gain: 3.65 dBi



Efficiency: 54.87 %



5.825GHz Gain: 3 . 9 5 dBi Efficiency: 60.16%

Antenna gain and efficiency

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	53.07	4.82
2410 MHz	53.64	5
2420 MHz	55.98	5.31
2430 MHz	56.78	5.44
2440 MHz	55.65	5.58
2450 MHz	54.01	5.54
2460 MHz	50.84	5.25
2470 MHz	58.53	5.12
2480 MHz	56.17	4.92
2490 MHz	55.86	4.99
2500 MHz	55.13	4.89

天线		
Freq(MHz)	Efficiency (%)	Gain(dBi)
5150 MHz	40.07	2.98
5200 MHz	46.24	3.32
5250 MHz	49.91	4.5
5300 MHz	54.97	5.02
5350 MHz	63.25	5.48
5400 MHz	61.04	5.32
5450 MHz	55.18	4.84
5500 MHz	54.92	4.39
5550 MHz	54.57	5.49
5600 MHz	54.58	3.77
5650 MHz	53.78	4.17
5700 MHz	55.36	4.57
5750 MHz	54.87	3.65
5800 MHz	56.88	4.3
5850 MHz	60.16	3.95