



深圳市鑫尔盛科技有限公司

ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer Name:

Product Name: 2.4/5.8G ANT 1.13 Black line L=145MM

Part :

Model: XESANT12B131297

Sample quantity: 5PCS

Company Address: Building D, 3rd Floor, No. 96 Lingxia Road, Fourth Industrial Zone, Fengyong, Bao'an District, Shenzhen City, China

Email: liqinghui@sufeitech.com



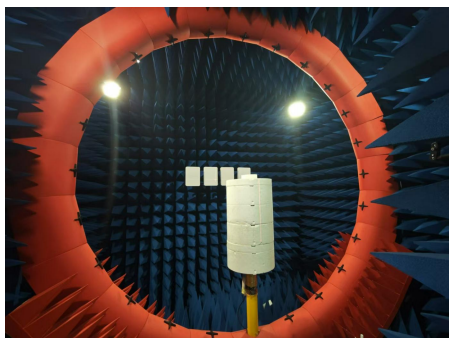
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产品主要技术参数

主要技术参数		Main technical specifications	
频率范围（MHZ）	2400-2500/5150-5850	Frequency Range(MHZ)	2400-2500/5150-5850
中心频率 特性阻抗（Ω）	50±10	Impedance(Ω)	50±10
峰值增益（dBi）	3.48/4.63	Peak Gain(dBi)	3.48/4.63
反射损耗	≤-10	ReTurnLoss(dB)	≤-10
输出电压驻波比	≤2	VSWR	≤2
最大功率	1W	Admitted Power	1W
极化方式	垂直极化	Polarization	Linear Vertical
连接方式	IPEX	Connector Type	IPEX
物理特性		Physical Properties	
天线本体材料	PCB	Antenna Base	PCB
工作温度	-20℃-+60℃	Operating Temp	-20℃-+60℃
保存温度	-20℃-+70℃	Storage Temp	-20℃-+70℃

测试设备 Testing equipment

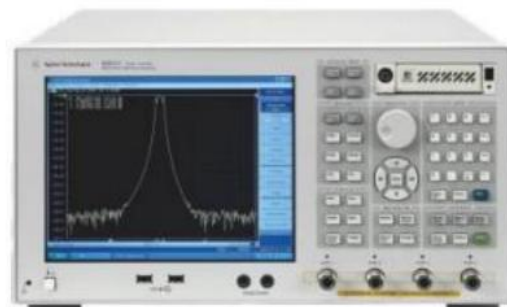


OTA testing system:

Frequency range: 400MHz-8.5GHz

Darkroom size: 4m*4m*4m

Number of probes: 24



Model : 5071C

Brand: Agilent

Frequency range: 9KHz-8.5GHz



Model: 8960

Brand: Agilent

Frequency range: 292MHz-2700GHz

Function: 2G/3G Active Testing



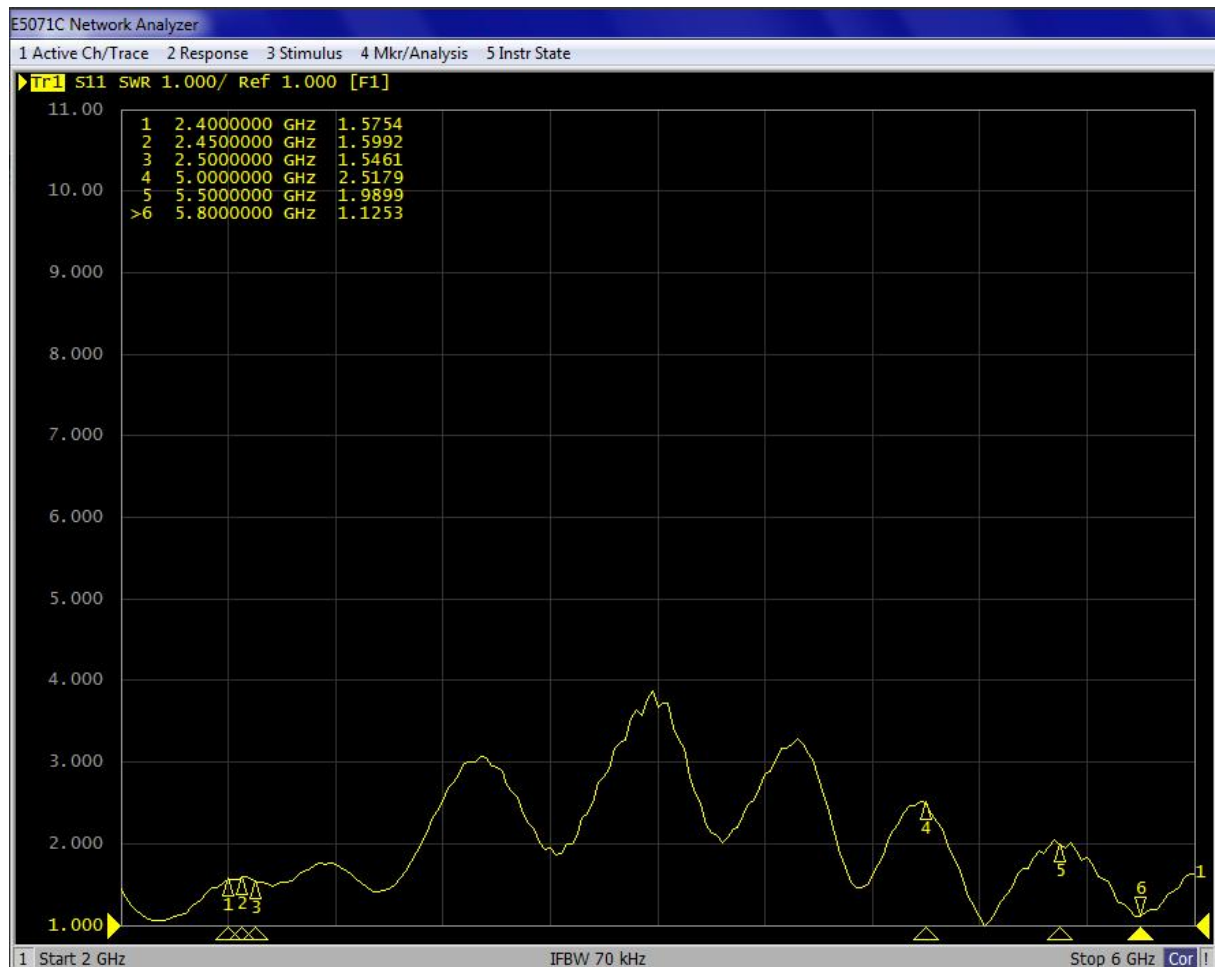
Model: CMW500

Brand: R&S

Frequency range: 70KHz-6GHz

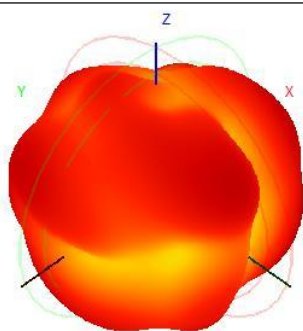
**Function: 2G/3G/4G/BT/WIFI/NB-Lot
Active Testin**

驻波比 Standing wave ratio:

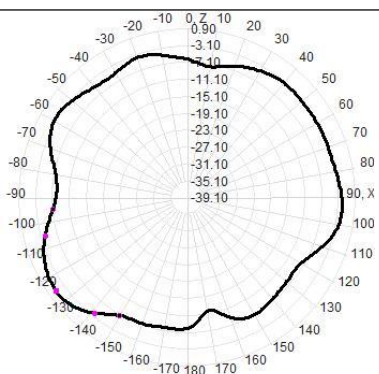


		TRP		TIS	
WIFI	11B-11M	1	14.96	1	-88.2
		6	15.06	6	-88.07
		11	15.57	11	-88.22
WIFI	11A-54M	36	14.87	36	-77.02
		149	15.12	149	-75.93
		165	15.49	165	-75.95

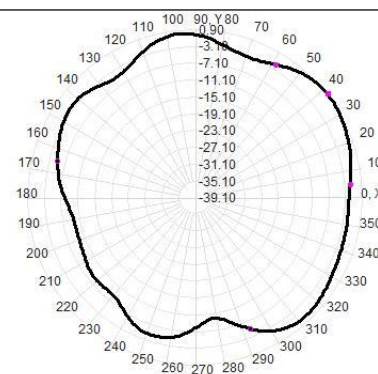
2D、3DRaditation Pattern



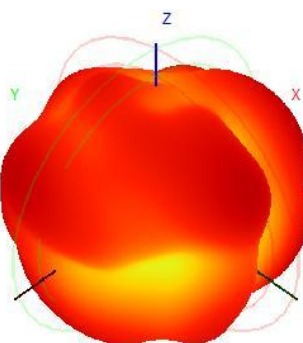
2.4G



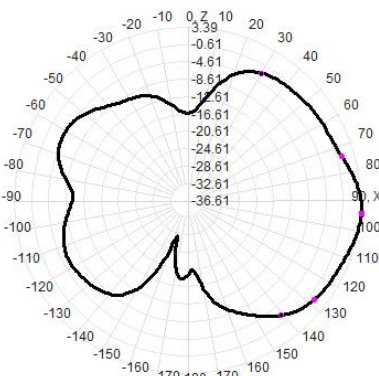
Gain(Peak):2.32dBi



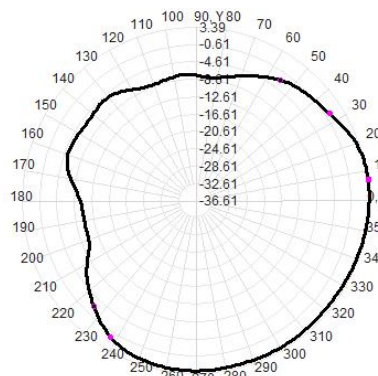
Efficiency:46.61%



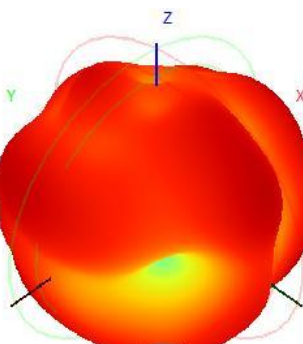
2.45G



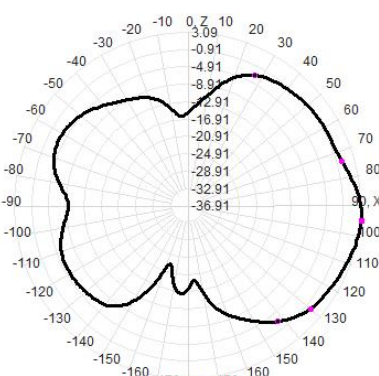
Gain(Peak):2.64Bi



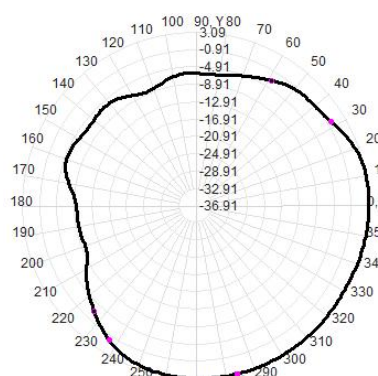
Efficiency:46.85%



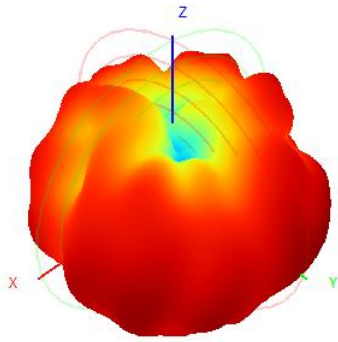
2.5G



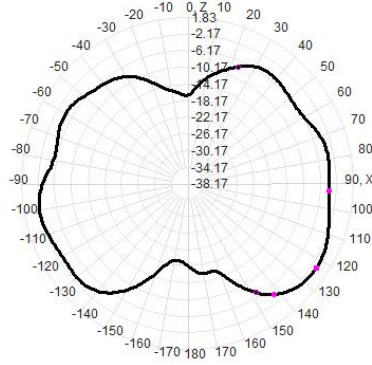
Gain(Peak):3.48dBi



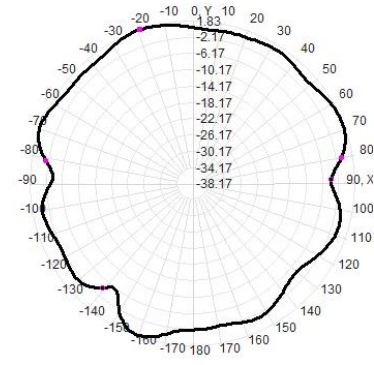
Efficiency:64.59%



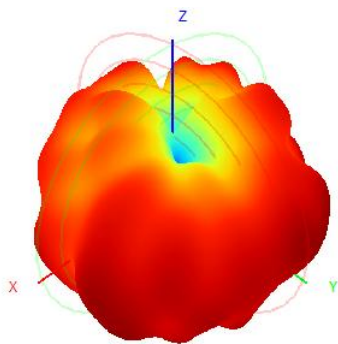
5.15G



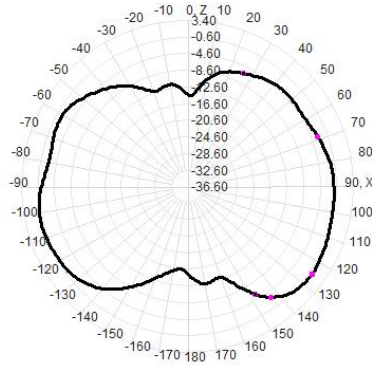
Gain(Peak):3.63dBi



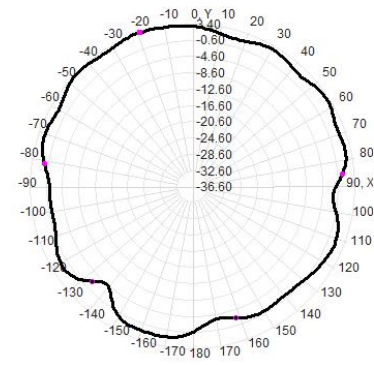
Efficiency:40.12%



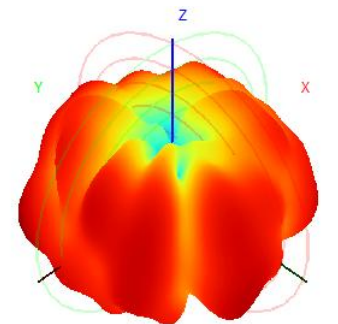
5.5G



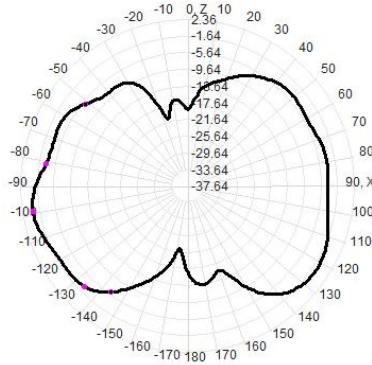
Gain(Peak):4.63dBi



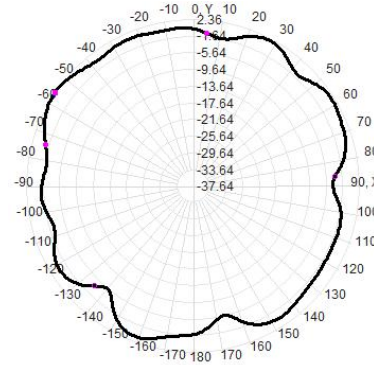
Efficiency:46.19%



5.85G



Gain(Peak):2.68dBi



Efficiency:56.75%

装配图 Assembly drawing

