

规格书

Datasheet

规格描述

Specification: F P C B /50 Ω /2.4-2.5GHz&5.15-5.85GHz/4.0dBi@2.4G,4.0dBi@5.8G/RG113 黑色双锡线 L=60mm/I-PEX 一代端子/黑色内置 WIFI 双频 FPC 天线

品名 Description: WIFI ANT

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天线照片 (Picture) :



(图片仅供参考，以图纸为准)

电气参数 (Electrical parameters) :

Frequency 频率范围	2.4~2.5GHz&5.15~5.85GHz
Impedance 特性阻抗	50Ω
S.W.R. 电压驻波比	≤2.0
Antenna Gain 增益	5.21dBi @2.4GHz, 5.19dBi @5.8GHz
Polarization 极化形式	Vertical polarization
Return Loss 回波损耗	-9.2dB MAX

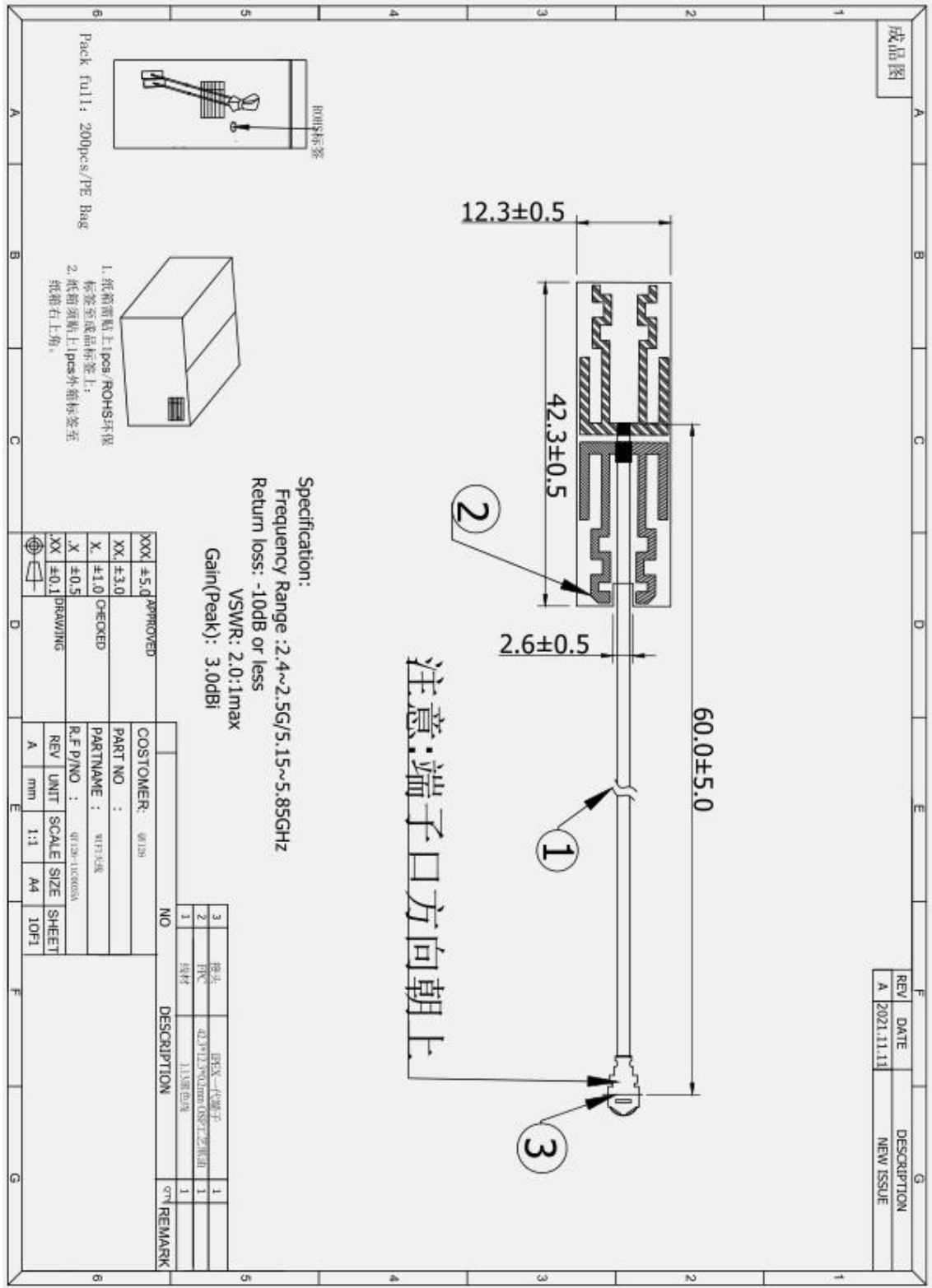
机械参数(Mechanical parameters):

Antenna Colour 天线颜色	Black
RF Cable Model 射频线型号	RG113
Connect Type 接口方式	I-PEX 一代端子

工作/储存温度 (Operating/ Storage Temperature) :

Operating Temperature 工作温度	-40~85℃
Storage Temperature 储存温度	-40~85℃

结构图纸 (Structural drawings):



测试设备(Test equipment):



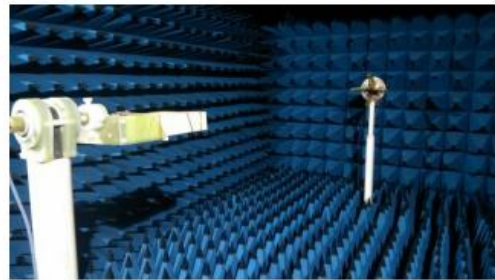
安捷伦 E5071C 网络分析仪



HP 8594E 频谱分析仪



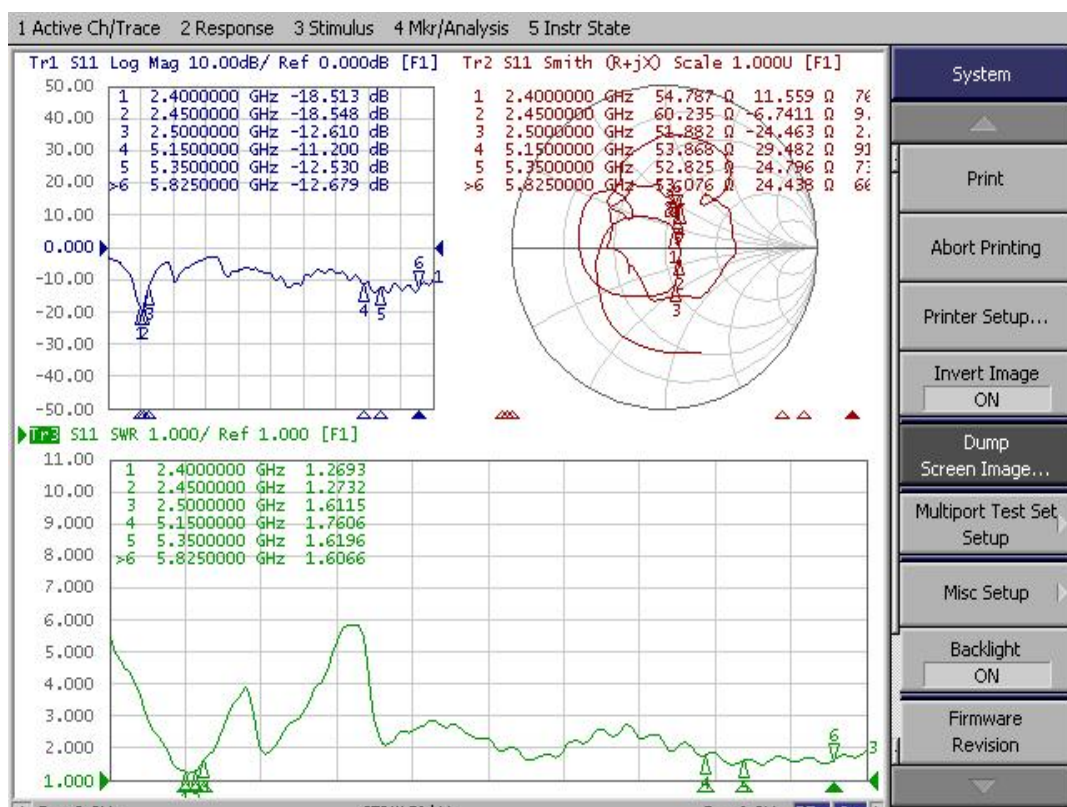
CMW-500



微波暗室

测试参数(Testing Parameters)

阻波比&回波损耗(V.S.W.R&Return Loss)

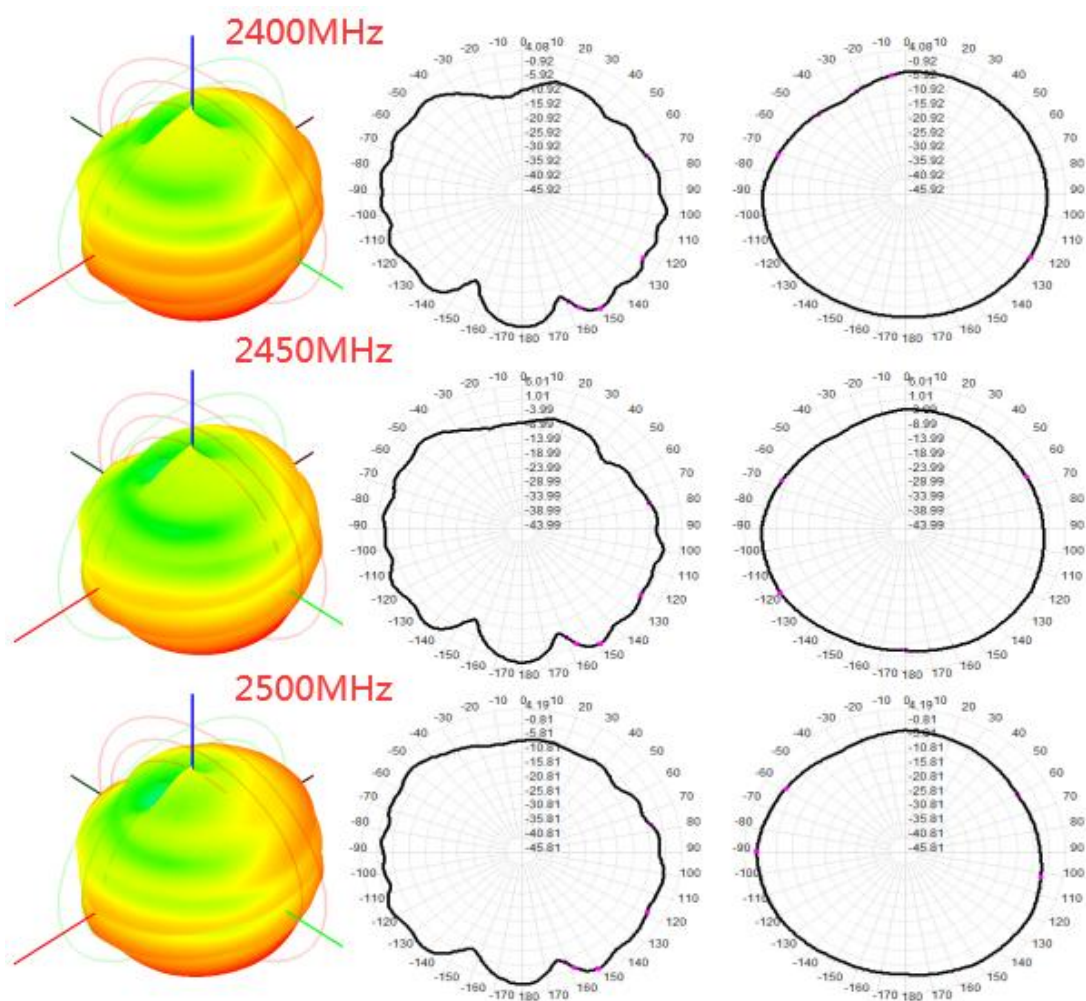


增益&效率(Gain&Efficiency)

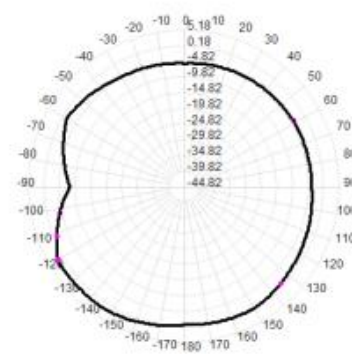
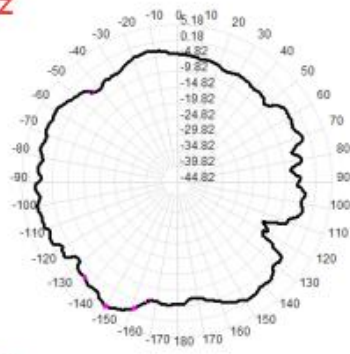
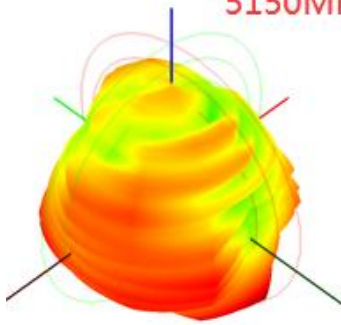
FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	4.08	4.61	4.71	4.68	4.64	5.01	5.13	5.21	4.88	4.51	4.19
Efficiency (%)	67.79	63.47	64.14	65.47	67.35	67.81	64.92	64.80	65.99	63.05	64.00

FEITUKEJI															
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	5.18	5.22	4.89	5.13	5.01	4.84	4.99	5.06	4.91	5.05	5.00	4.95	5.19	5.18	4.88
Efficiency (%)	64.18	68.18	64.58	65.86	66.87	67.95	67.76	66.41	65.38	66.31	64.49	65.79	66.61	64.94	66.49

2D、3D Radiation Patter



5150MHz



5850MHz

