

深圳市红心科技电子有限公司
Shenzhen Hongxin Technology Electronics Co., Ltd.

天线规格书

Antenna Specification

Application: Guangzhou Zhengfeng Technology Co.,Ltd

Antenna Type: External Antenna

Antenna Name: HX-AP24-19513-D1

Date: 2023-07-01

一: 天线参数 Antenna Parameter

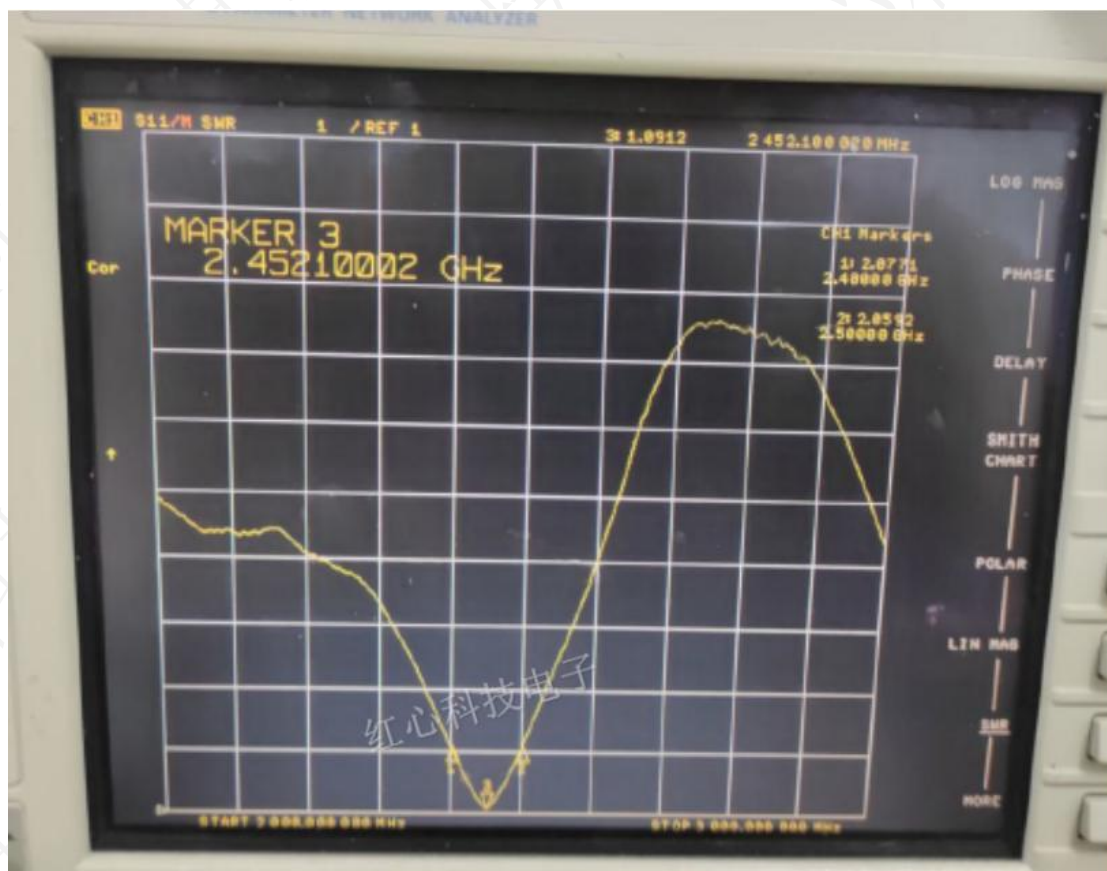
Design Specifications	Typical	Units
Antenna Type	External Antenna	
工作频率 (Working Frequency)	2400-2500	MHZ
增益(Gain)	0.95	dBi
天线效率 (Antenna efficiency)	35~80	%
电压驻波比 (VSWR)	<1.8	
极化方式 (Ploriaztion)	垂直极化	
辐射方向 (Radiation pattern)	全向	
馈电阻抗 (impedance)	50	ohm
功率容量 (Power handling)	33	dbm
天线接口 (Interface)	SMA	
天线尺寸 (Overall dimensions)	195*13	mm
重量 (Weight)	/	
工作温度 (Operatin Temp)	-30-70	°C
储存温度 (Storing Temp)	-30-70	°C

二：天线实物图

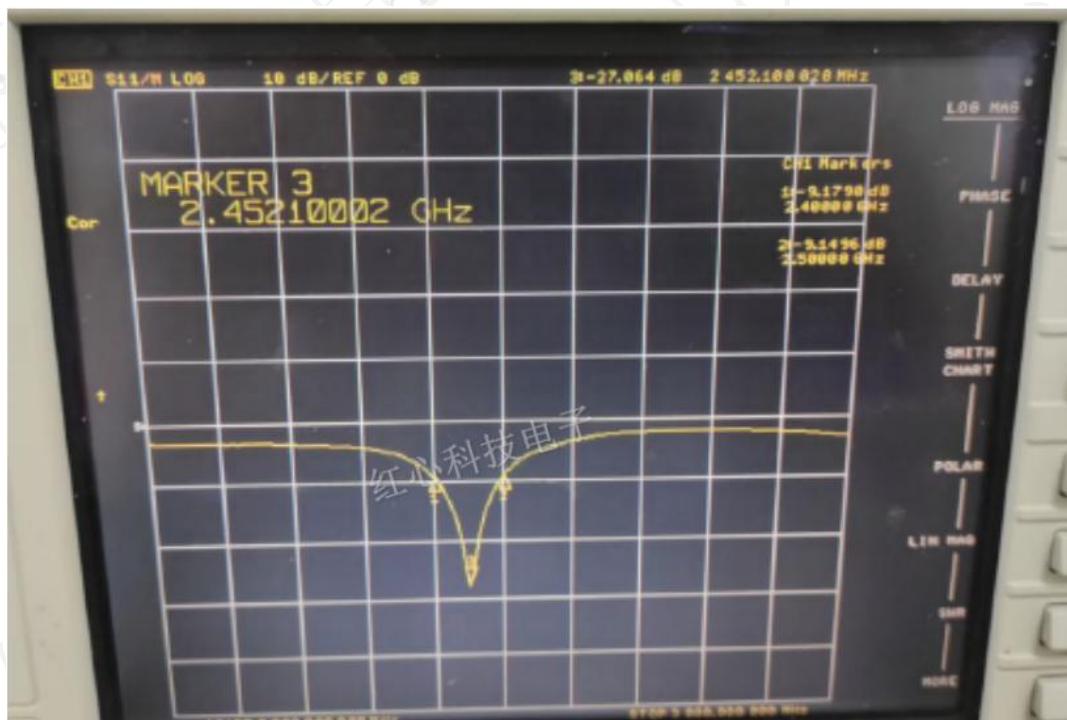


三、VSWR（电压驻波比）/Return Loss（回波损耗）/Smith Chart（史密斯圆图）

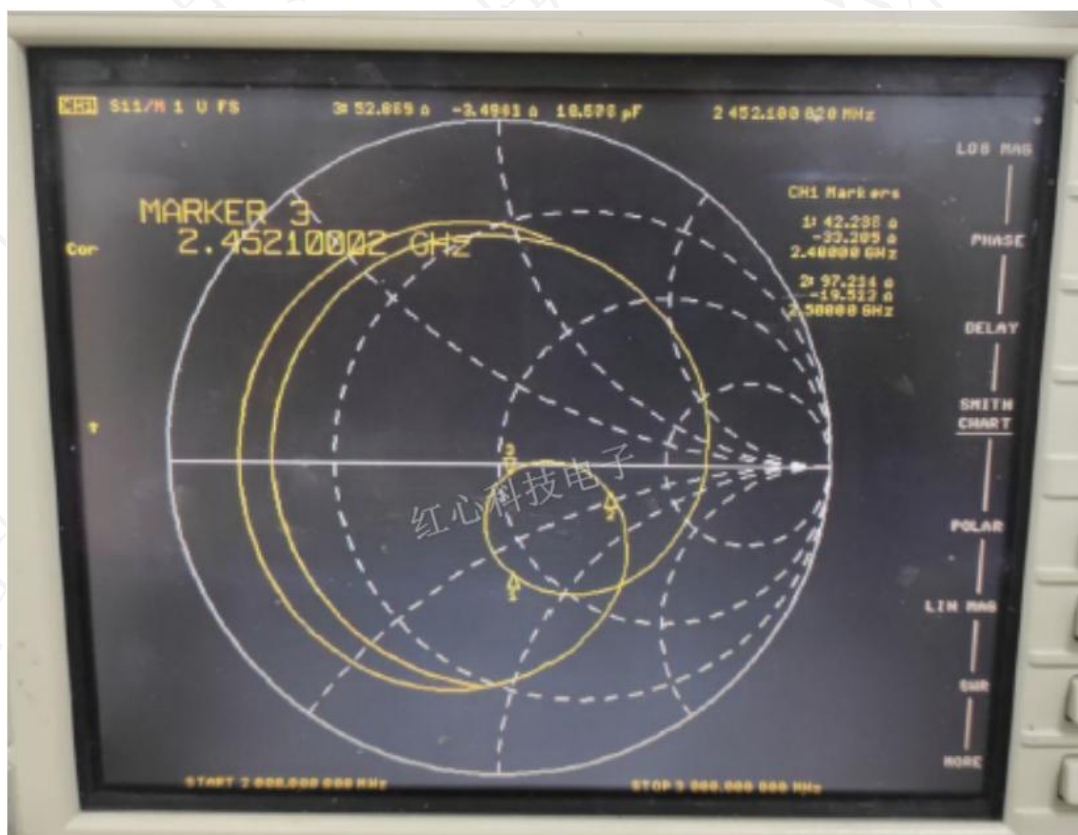
VSWR（电压驻波比）



Return Loss (回波损耗)



Smith Chart (史密斯圆图)



Antenna Gain

Freq (Mhz)	Effi (%)	Gain (dbi)
2400MHZ	26. 8	0. 65
2410MHZ	27. 9	0. 49
2420MHZ	29. 6	0. 57
2430MHZ	30. 4	0. 77
2440MHZ	32. 6	0. 69
2450MHZ	33. 4	0. 85
2460MHZ	35. 1	0. 95
2470MHZ	32. 1	0. 58
2480MHZ	30. 2	0. 65
2490MHZ	29. 8	0. 49
2500MHZ	28. 4	0. 54

2D/3D Direction

