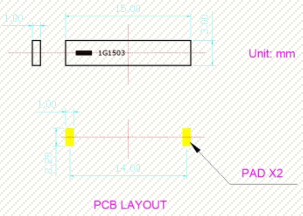
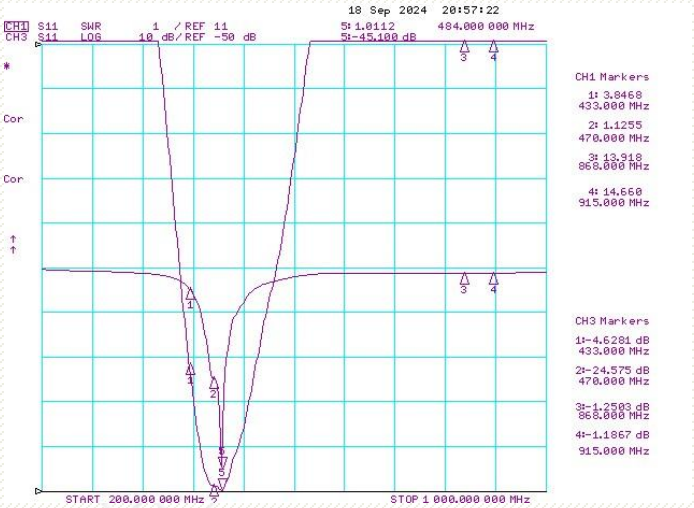
产 品/Product： **Sub-1G, LoRa/LoRaWAN, 315/433/470/868/915MHz, CHIP SMD 1G1503, Antenna**

料 号/PN： **AH1G.225**

应 用/Application：**315/433/470/868/915MHz**, Remote /Transfer /Recciever，**Sub-1G, LoRa/LoRaWAN**；





电气参数(Electrical Properties)

频率/Frequency:	315/433/470/868/915MHz
输入阻抗/Impedance:	50Ω
驻波比/VSWR:	≤2.5
增益/Gain:	2.0 dBi Typical
极化方式/Polarization:	Vertical / Omni

机械参数(Mechanical Properties)

接头&线缆/Conn&Cable:	/
材料&颜色/Material&Color:	Copper/Red
安装方式/Mounting:	SMD
尺寸/Size:	L15.0 xW3.0 xT1.0 mm
重量/Weight:	0.5 g/pcs; 3000pcs/Reel
工作温度/Operate Temp:	-40 ~ +85 ℃

关联产品/Relation Product

			
H50 Rubber (AH1G.102)	PCB IPX (AH1G.202)	H175 Rubber Magnetic (AH1G.401)	H200 FiberGlass (AH1G.501)

产品手册/ Product Catalogue

下载地址/Download Link: http://docs.AntennaHome.com/ant/catalogue.pdf

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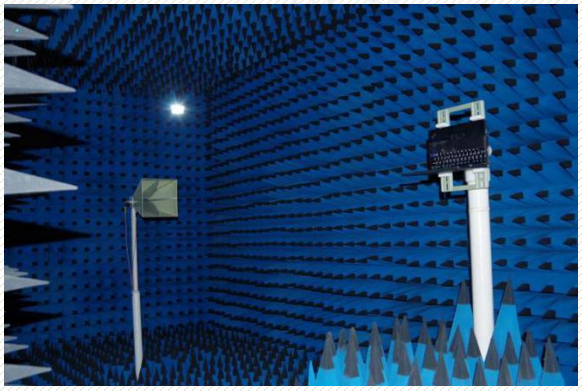
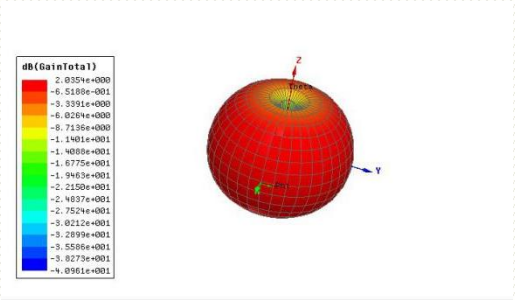




Online Support

Contact Us

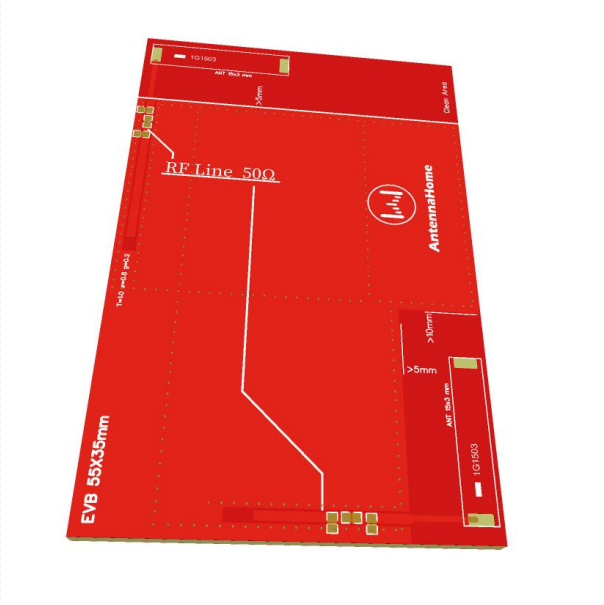
E-mail : CS@AntennaHome.com

Website : Http://www.AntennaHome.com

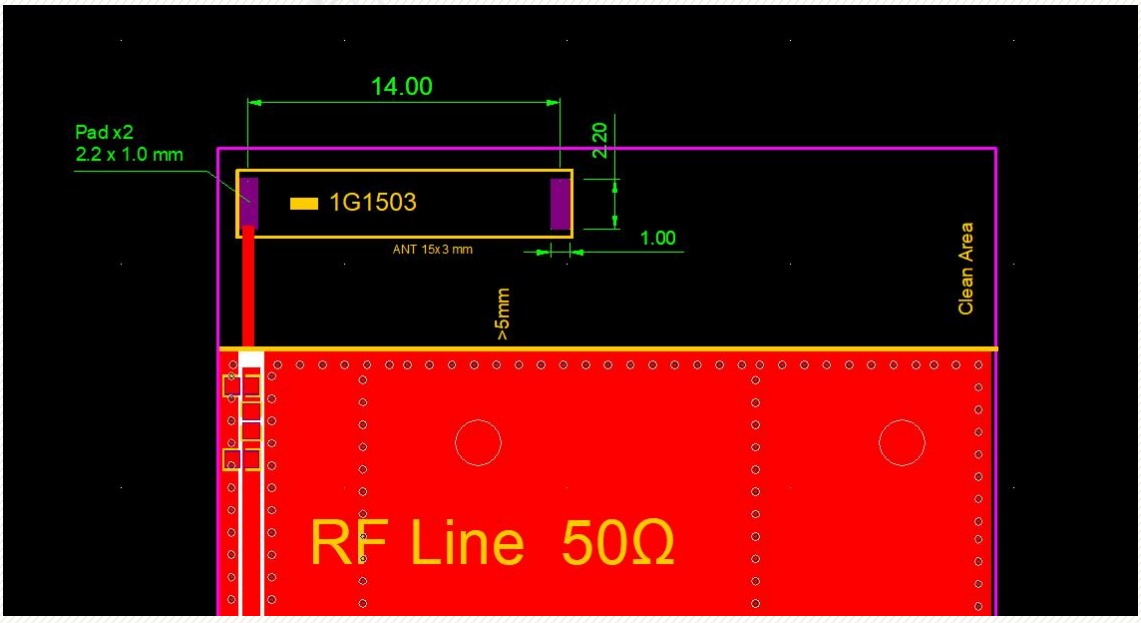
附加说明/Additional Notice

1，该天线的设计及测试，参考开发板；EVB Size：55x35mm

The design and testing of this antenna refer to the development board; Size：55x35mm

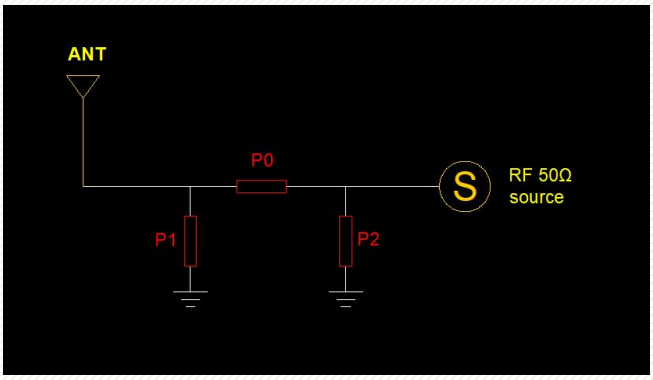


2，PCB layout 尺寸图及注意事项；/PCB Layout Size and notice;



3，射频匹配网络 参考值，基于开发板（PCB 尺寸：55x35mm）；

RF matching network reference value, based on the development board (EVB PCB size: 55x35mm)



值 /Value	315MHz	433MHz	470MHz	868MHz	915MHz
P1	N/A	N/A	N/A	N/A	N/A
P0	L = 160nH	L = 100nH	L = 82nH	L = 12nH	R = 0Ω
P2	N/A	N/A	N/A	C = 4.7pF	C = 4.7pF

Note: R= Resistance, L= Inductance, C= Capacitance; N/A =No Component;

*** 特别提醒 / Specially Remind ***

任何 CHIP 天线加入到你的产品/设备后，因为 PCB 的尺寸产生了变化，都将需要进行射频匹配优化工作！

After adding any CHIP antenna to your product/device, RF matching optimization work is required as PCB size changed!

4，CHIP 类型天线，在主板上摆放位置，影响其性能；优劣顺序依次是位置 1#，2#，3#,4#； 即，短边、长边、边的中间、中央；

The placement of CHIP type antennas on the motherboard affects their performance; The order of superiority and inferiority is position 1 #, 2 #, 3 #, 4 #; Namely, short side, long side, middle and center of the side;