

⚠️ **Two steps must be performed before testing:**  
**Step 1.** Connect the two 20CM SMA to IPEX adapter cables to the NanoVNA-F machine.  
**Step 2.** Recalibrate the machine using the 13 Short, 14 Open, 15 Load, and 16 Thru circuits on the test board, and save the parameters to SAVE 0.

# RF Demo Kit Quick start guide

Designed By: BH5HNU & June  
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 Release: 2.0

**Circuit 1.** RLC Series-parallel circuit  
 Display S11 Smith Chart, START=50kHz, STOP=600MHz

**Circuit 2.** RLC Series-parallel circuit  
 Display S11 Smith Chart, START=50kHz, STOP=600MHz

**Circuit 3.** 33 Ohm Resistance  
 Display S11 Smith Chart & SWR, START=50kHz, STOP=1000MHz

**Circuit 4.** 75 Ohm Resistance  
 Display S11 Smith Chart & SWR, START=50kHz, STOP=1000MHz

**Circuit 5.** 6.5MHz Ceramic Trap  
 Display S21 LOGMAG, START=5.5MHz, STOP=7.5MHz

**Circuit 6.** 10.7MHz Ceramic filter  
 Display S21 LOGMAG, START=9.7MHz, STOP=11.7MHz

**Circuit 7.** RC series circuit  
 Display S11 Smith Chart, START=50kHz, STOP=300MHz

**Circuit 8.** LC series circuit  
 Display S11 Smith Chart, START=50kHz, STOP=600MHz

**Circuit 9.** Capacitance  
 Display S11 Smith Chart, START=50kHz, STOP=300MHz

**Circuit 10.** Inductance  
 Display S11 Smith Chart, START=50kHz, STOP=30MHz

**Circuit 11.** 400MHz Low-pass filter  
 Display S21 LOGMAG, START=100MHz, STOP=600MHz, SCALE=2dB

**Circuit 12.** 500MHz High-pass filter  
 Display S21 LOGMAG, START=1MHz, STOP=1000MHz, SCALE=10dB

**Circuit 13.** Short  
 Display S11 Smith Chart, START=50kHz, STOP=1000MHz

**Circuit 14.** Open  
 Display S11 Smith Chart, START=50kHz, STOP=1000MHz

**Circuit 15.** 50 Ohm Load  
 Display S11 Smith Chart, START=50kHz, STOP=1000MHz

**Circuit 16.** Thru  
 Display S21 LOGMAG, START=50kHz, STOP=1000MHz

**Circuit 17.** 10dB Attenuation  
 Display S21 LOGMAG, START=50kHz, STOP=1000MHz

**Circuit 18.** 3dB Attenuation  
 Display S21 LOGMAG, START=50kHz, STOP=1000MHz

**RF Demo Kit** MADE IN CHINA  
 For VNA Testing  
 More Detail : [deepelec.com/rf-demo-kit](http://deepelec.com/rf-demo-kit)  
[deepelec.aliexpress.com](http://deepelec.aliexpress.com)  
[groups.io/g/nanovna-f](https://groups.io/g/nanovna-f)  
 Facebook Group : NanoVNA-F

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