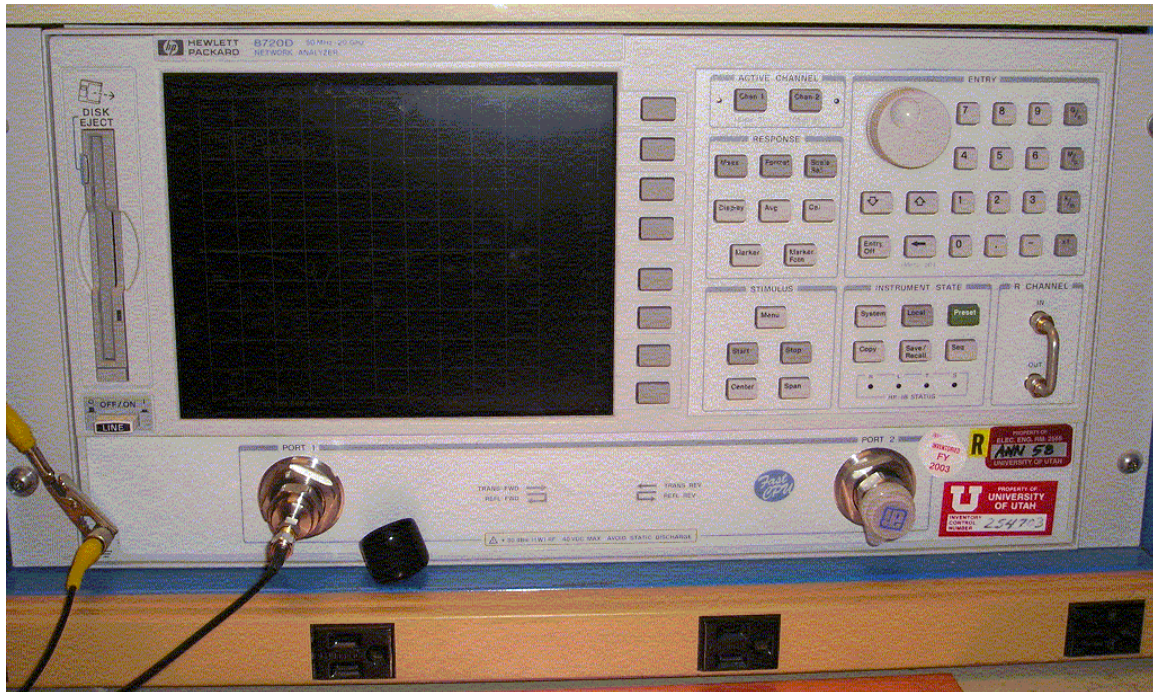


**Overview:** This document tells you how to calibrate the HP 8720D Network Analyzer. This should be done before each use.

**Equipment Needed:** Calibration standards kit, Network Analyzer cables, grounding strap.

**For more information:** go to [www.agilent.com](http://www.agilent.com) and search for 8720D



1. Turn on the Network Analyzer
- 2 Set Your Frequency Range
  - On the Stimulus Menu Push the Start Button
  - Enter the start frequency on the numeric keypad
  - On the Stimulus Menu Push the Stop Button
  - Enter the stop frequency on the numeric keypad
3. 2 port Calibration Steps
  - a) On the RESONSE Menu push the Cal Button
  - b) On the soft keys (the keys next to the screen that change) press CAL KIT
  - c) press SELECT CAL KIT
  - d) press 3.5 mmD HP 85052
  - e) press RETURN twice
  - f) press CALIBRATE MENU

g) press FULL 2-PORT

A screen will appear that has

Forward:    Open  
              Short  
              Load

Reverse:    Open  
              Short  
              Load

For the forward calibration, connect the appropriate standards to port 1 and press the soft key one at a time.

For the reverse calibration, connect the appropriate standards to port 2 and press the soft key one at a time.

When calibrating the Load, You only need to do the LOWBAND load. Then Press Done

h) press STANDARDS DONE

i) press TRANSMISSION

j) connect port 1 to port 2 with the lines that you don't want included in your measurement

k) press DO BOTH FWD + REV, press STANDARDS DONE

l) press ISOLATION

m) press OMIT ISOLATION

n) press ISOLATION DONE

The Calibration is Complete. You can save the calibration for future reference by following the steps below, or start taking measurements

To Save the Calibration

a) on the Instrument State menu press Save/Recall

b) Choose a place to save the machine state and press SAVE STATE

c) You can return to this menu and press RECALL STATE to reload your calibration