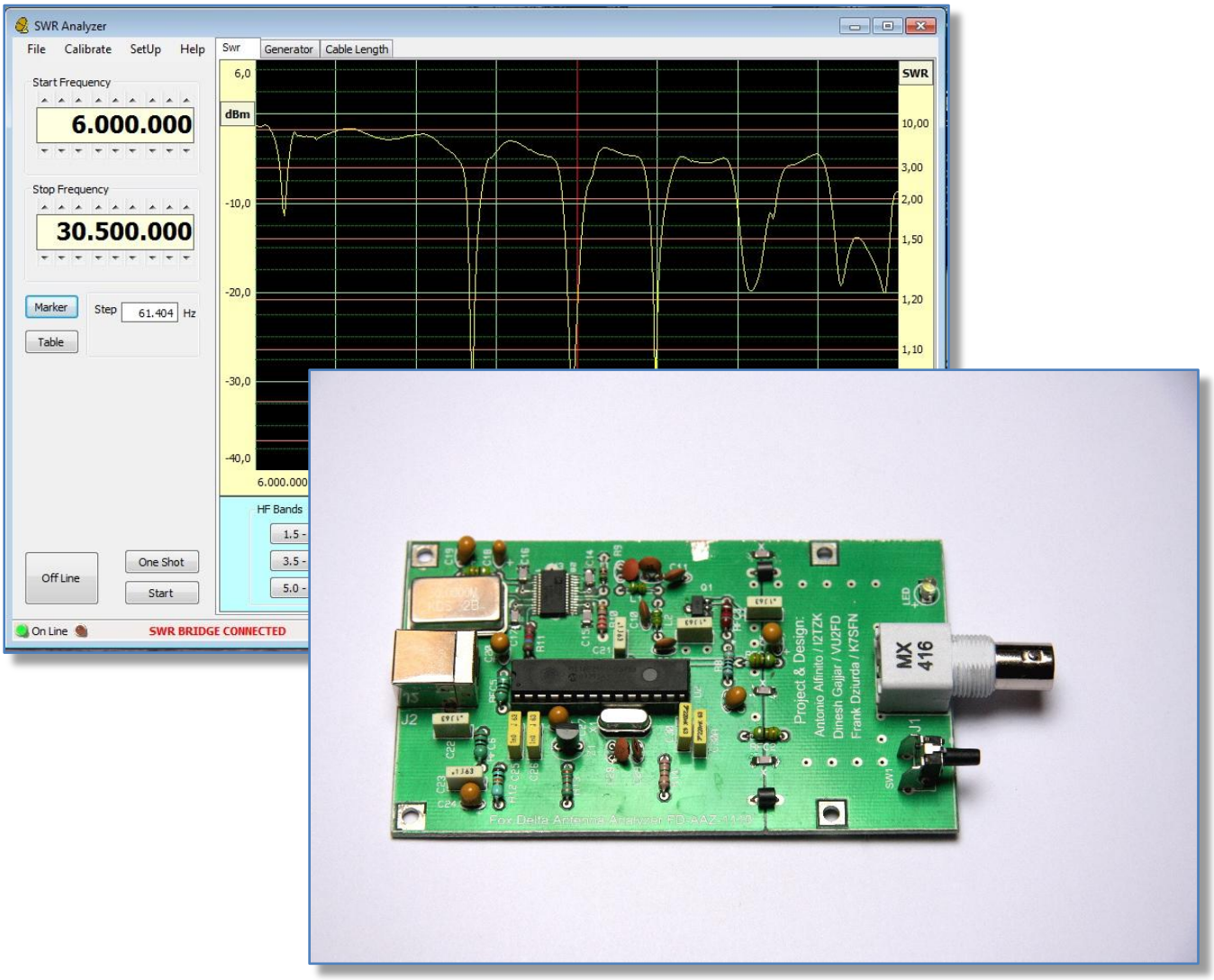
Fox Delta

Amateur Radio

Projects & Kits

SWR ANALYZER

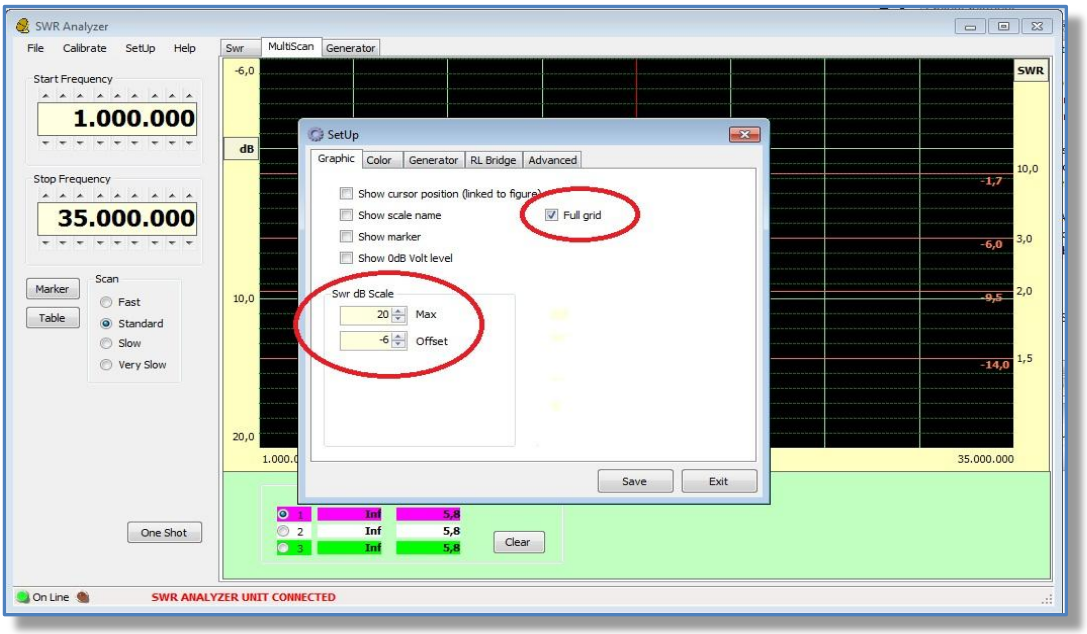


May, 2012

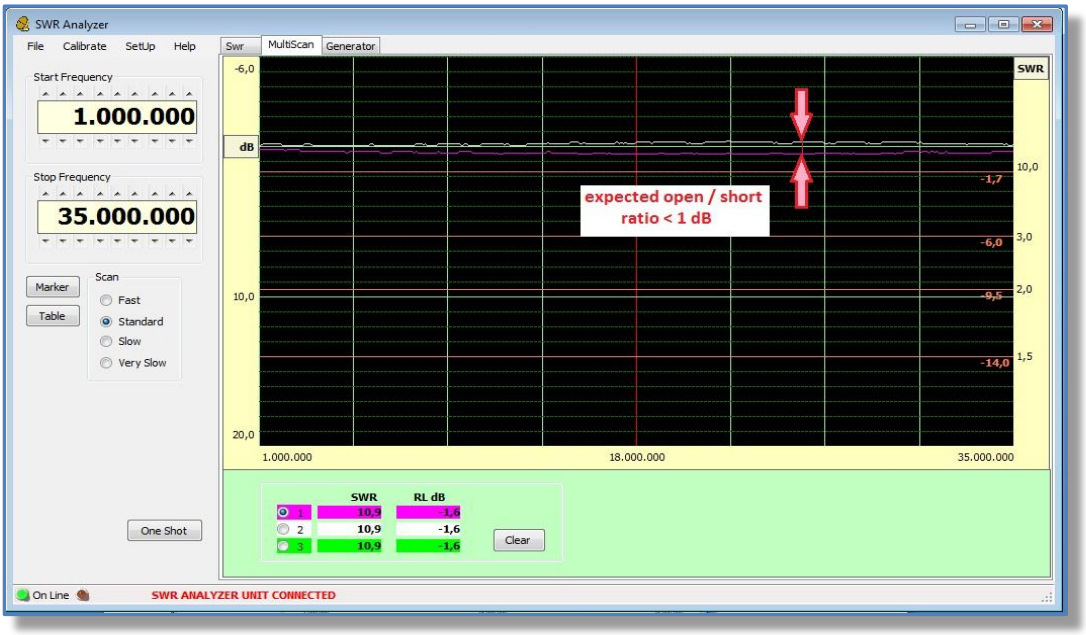
Verify Open/Short ratio

- Be sure that the SWR Analyzer has been calibrated.
- Customize the graphic scale selecting the menu “SetUP” and tab “Graphic”

SWR / dB scale:
Max = 20
Offset = -6



- Save and restart program.
- Select the “MultiScan”
  - select the graph #1 (fuchsia color) , connect a 0 ohm terminator (short circuit) and run the analysis pushing “One Shot” button
  - select the graph #2 (white color) leave the RL Bridge open and run again the analysis



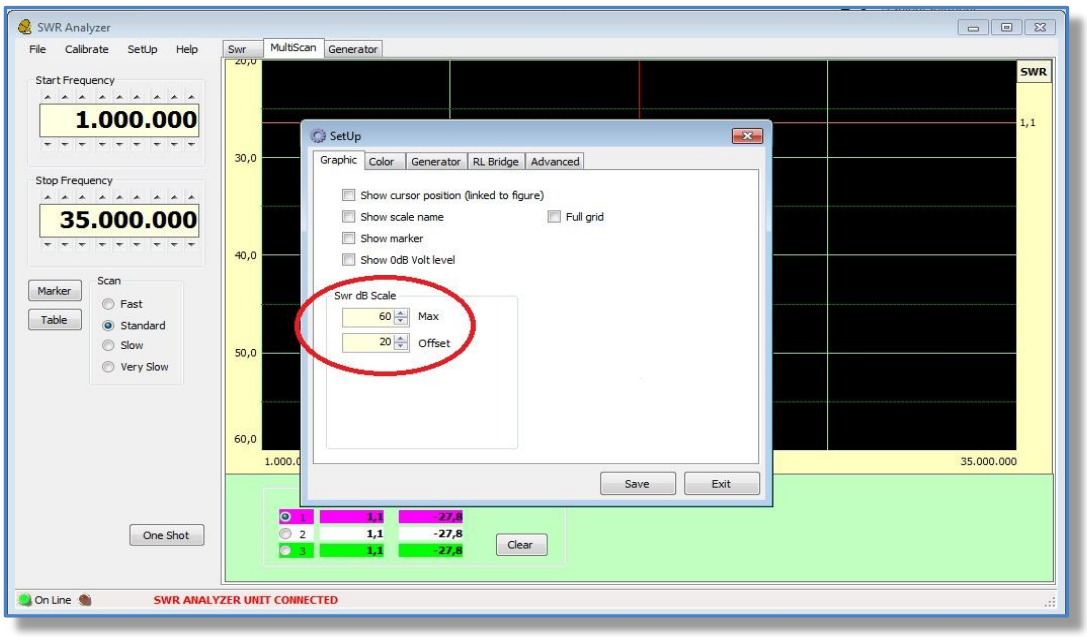
The dB difference of 2 horizontal lines, equidistant from the 0dB reference, measures the Open/Short ratio.

The Open/short ratio is expected to be less than 1dB

Verify Bridge directivity

- Be sure that the SWR Analyzer has been calibrated.
- Customize the graphic scale selecting the menu “SetUP” and tab “Graphic”

SWR / dB scale:
Max = 60
Offset = 20



- Save and restart program.
- Select the “MultiScan”
  - select any graph, connect a 50 ohm terminator and run the analysis pushing “One Shot” button

The expected directivity is better than 30dB depending on the quality of the 50ohm terminator

Customize graphic scale