



## DSA-815 Sweep Speed vs. DANL

*Date:* 04.11.2012

*Solution:* Below are screen shots showing DANL and corresponding sweep speeds for an open input on the Rigol DSA-815 series of Spectrum Analyzer.

**Parameters:** Factory defaults were used.  
No preamplifier enabled.  
RBW = VBW.  
Full span sweep (0 – 1.5GHz)

### RBW/VBW (Sweep Time) Using Auto Sweep Time

- 100Hz (1500s)
- 1Khz (1500s)
- 10kHz (15s)
- 100kHz (50ms)
- 1MHz (50ms)

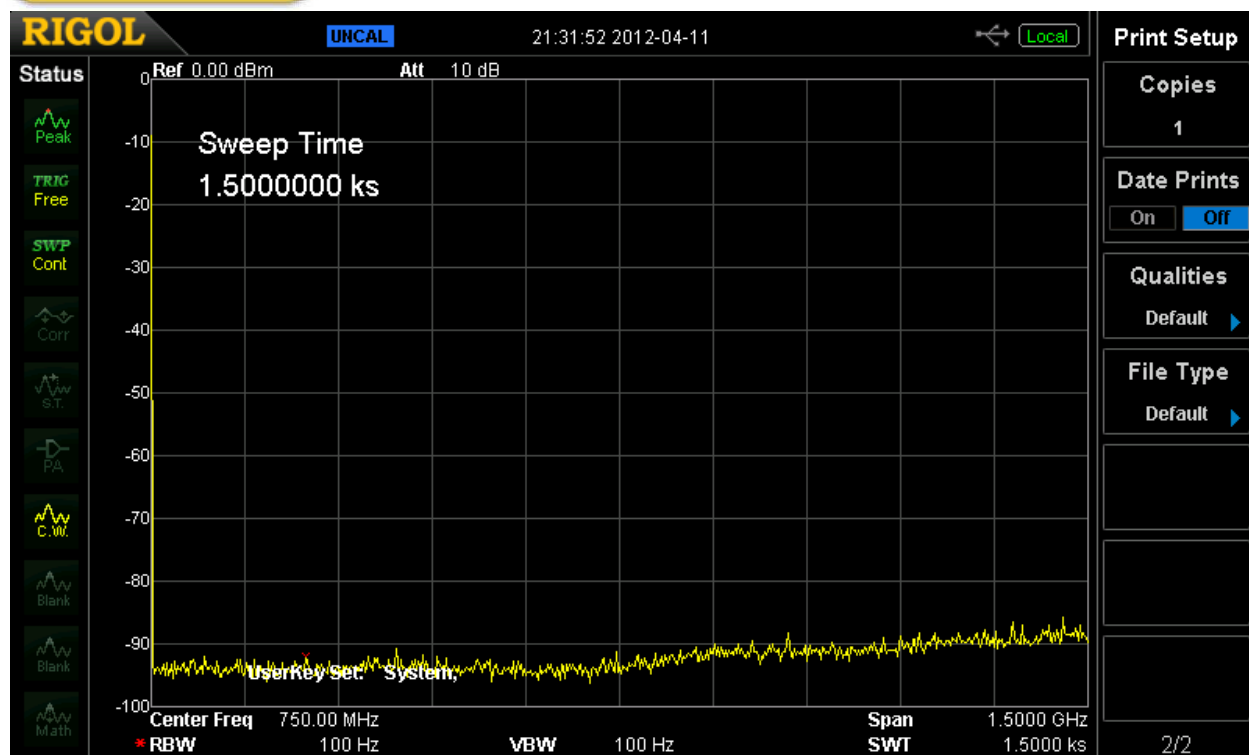


Figure 1:  $RBW = VBW = 100\text{Hz}$

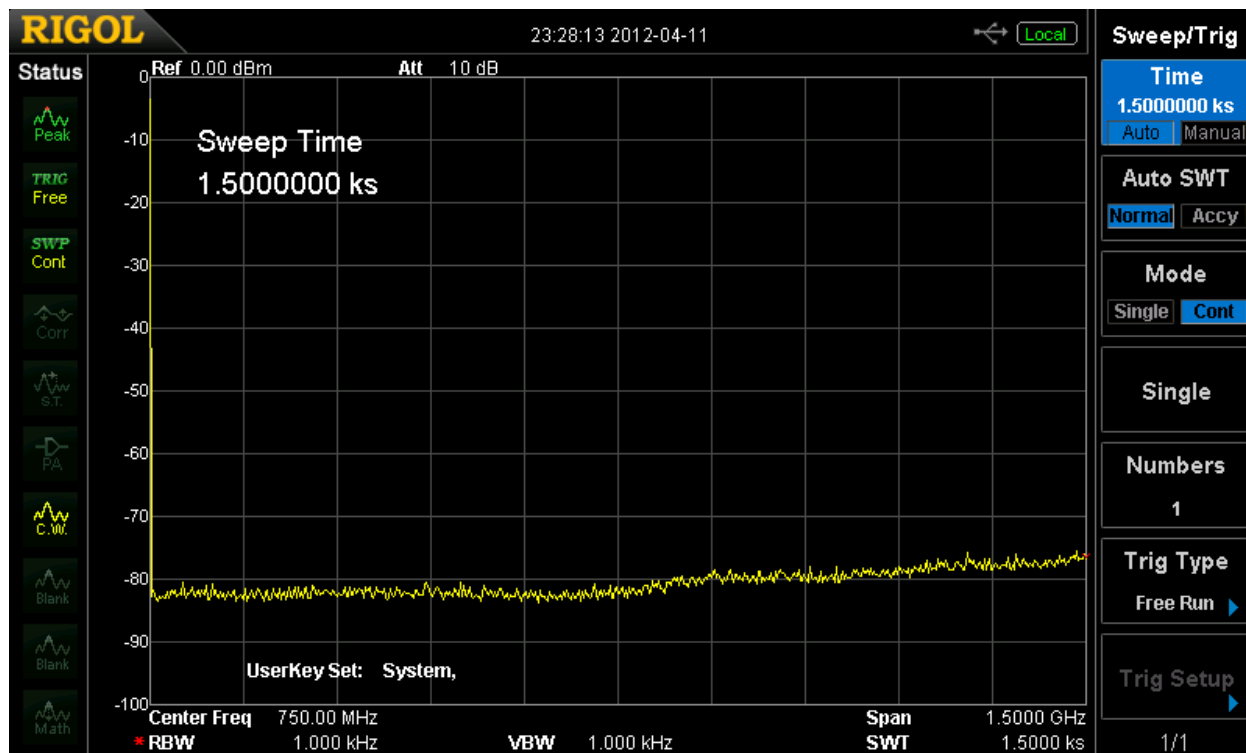


Figure 2:  $RBW = VBW = 1\text{kHz}$

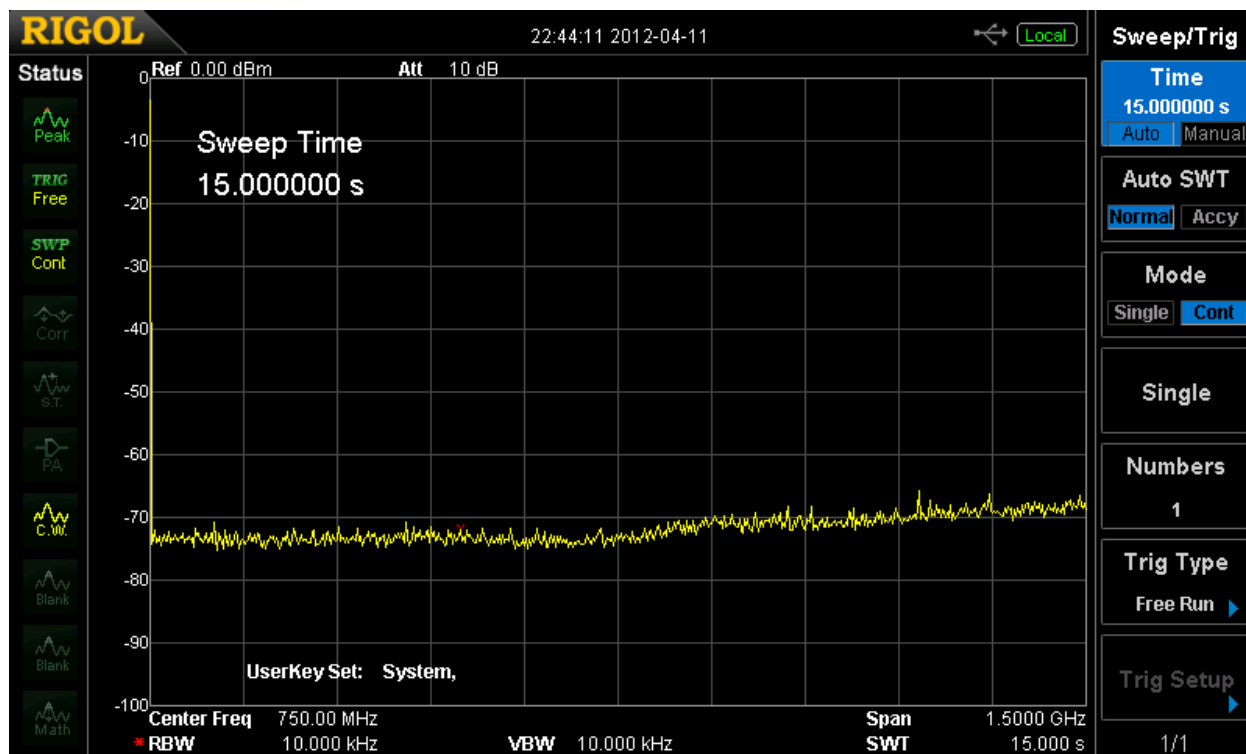


Figure 3:  $RBW = VBW = 10\text{kHz}$

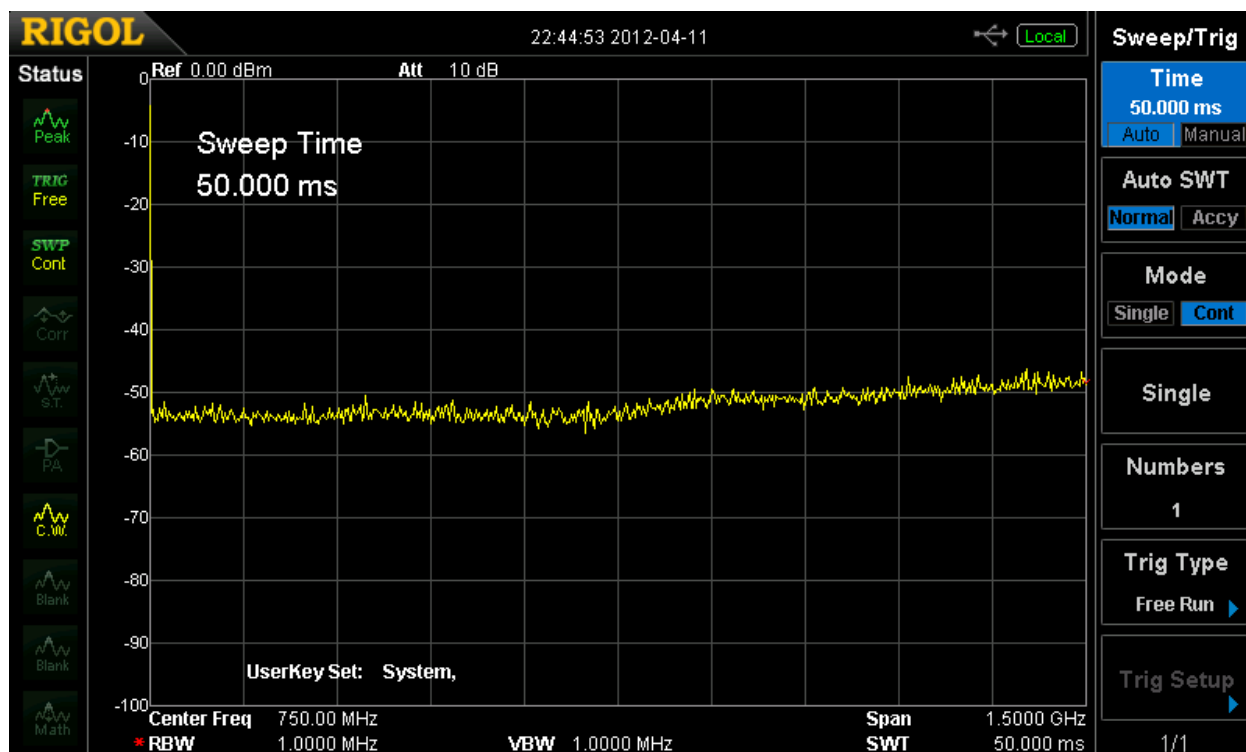


Figure 4:  $RBW = VBW = 1\text{MHz}$