

LSF010x Waveform With Different Pull Up Resistors

Ting Ye

Test Configuration

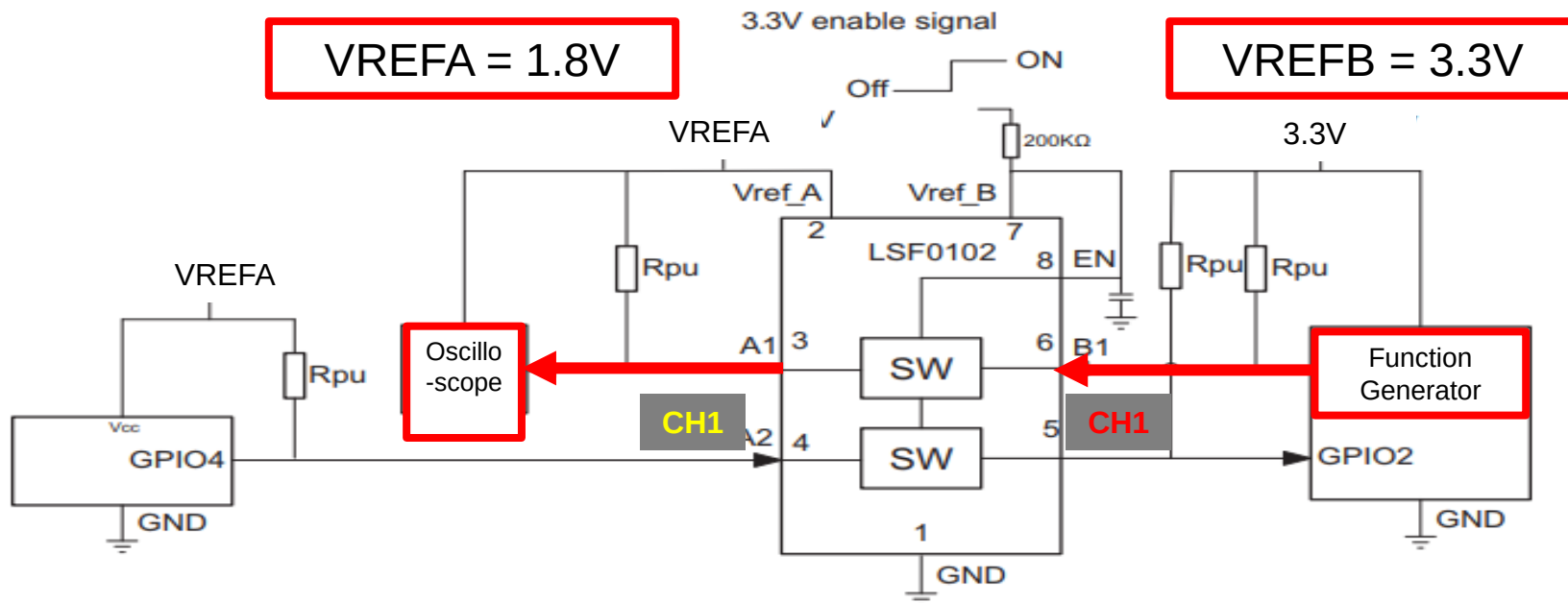
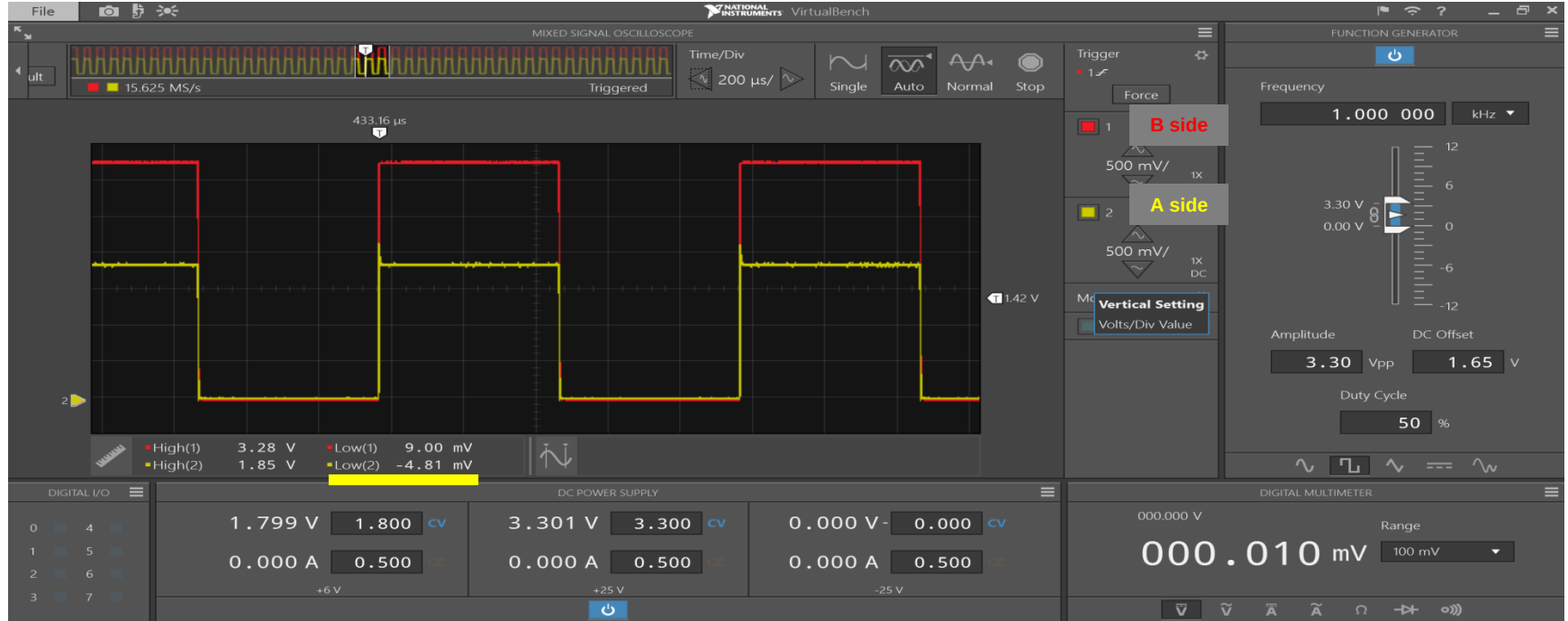
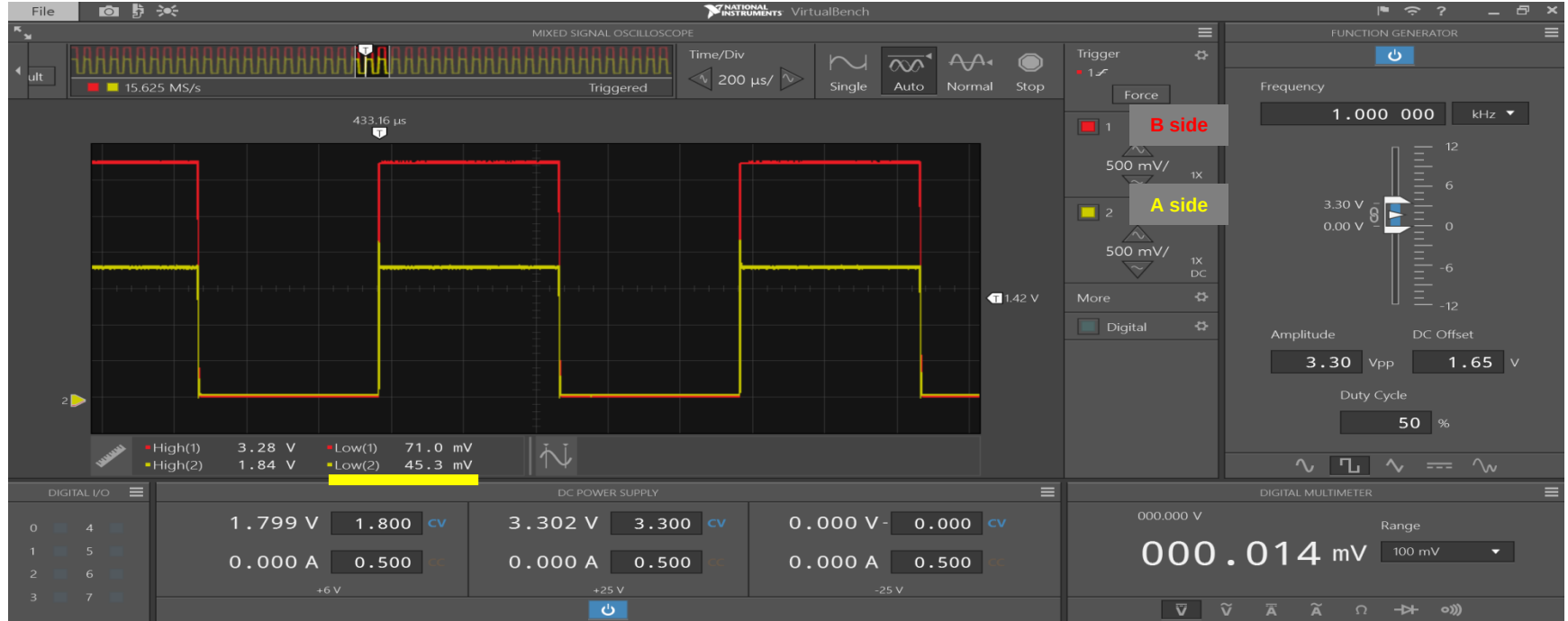


Figure 6. Bidirectional Translation to Multiple Voltage Levels

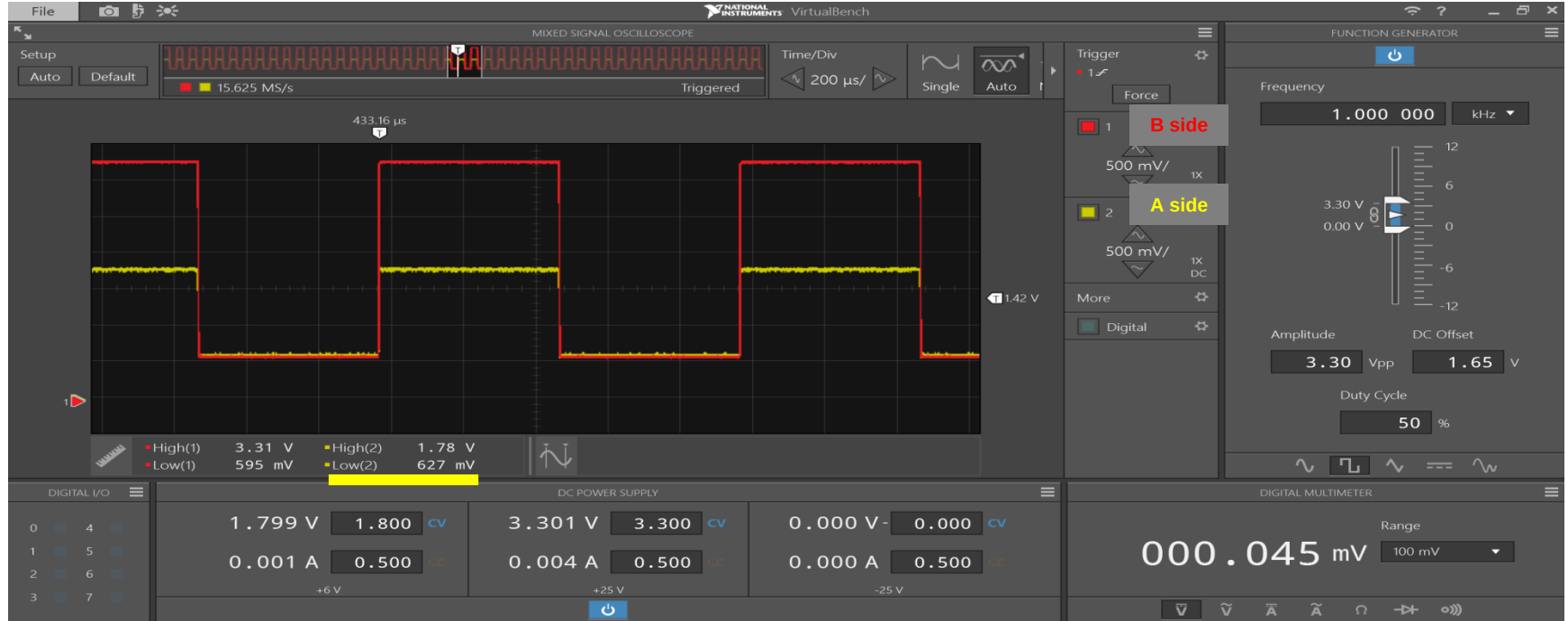
Input signal frequency = 1kHz
 $R_{pu} = 47k\text{-ohm}$



Input signal frequency = 1kHz
 $R_{pu} = 4.7k\text{-ohm}$



Input signal frequency = 1kHz
 $R_{pu} = 0.3\text{k-ohm}$



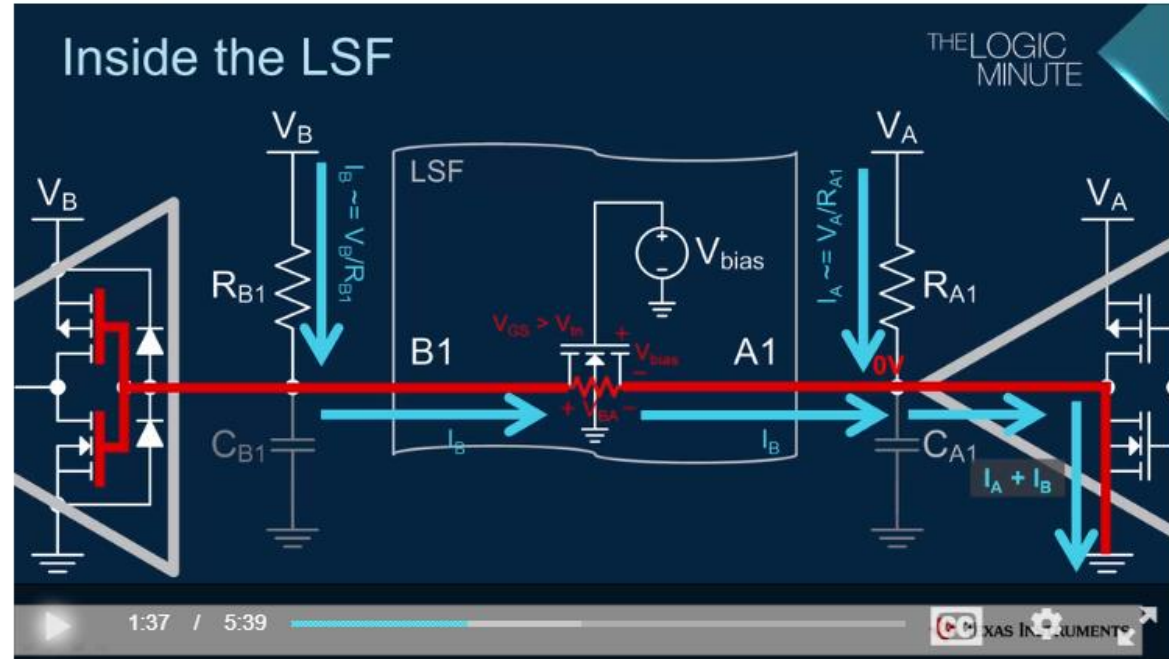
LSF Family Training Video

<https://training.ti.com/tlm-lsf-up>

2.6 Up Translation with the LSF Family

with Emrys Maier

Email 



Application Note to Explain Receiver I_{SINK} and Level Shifter V_{OL}

- Effects of External Pullup and Pulldown Resistors on TXS and TXB Devices

<http://www.ti.com/lit/an/scea054/scea054.pdf>