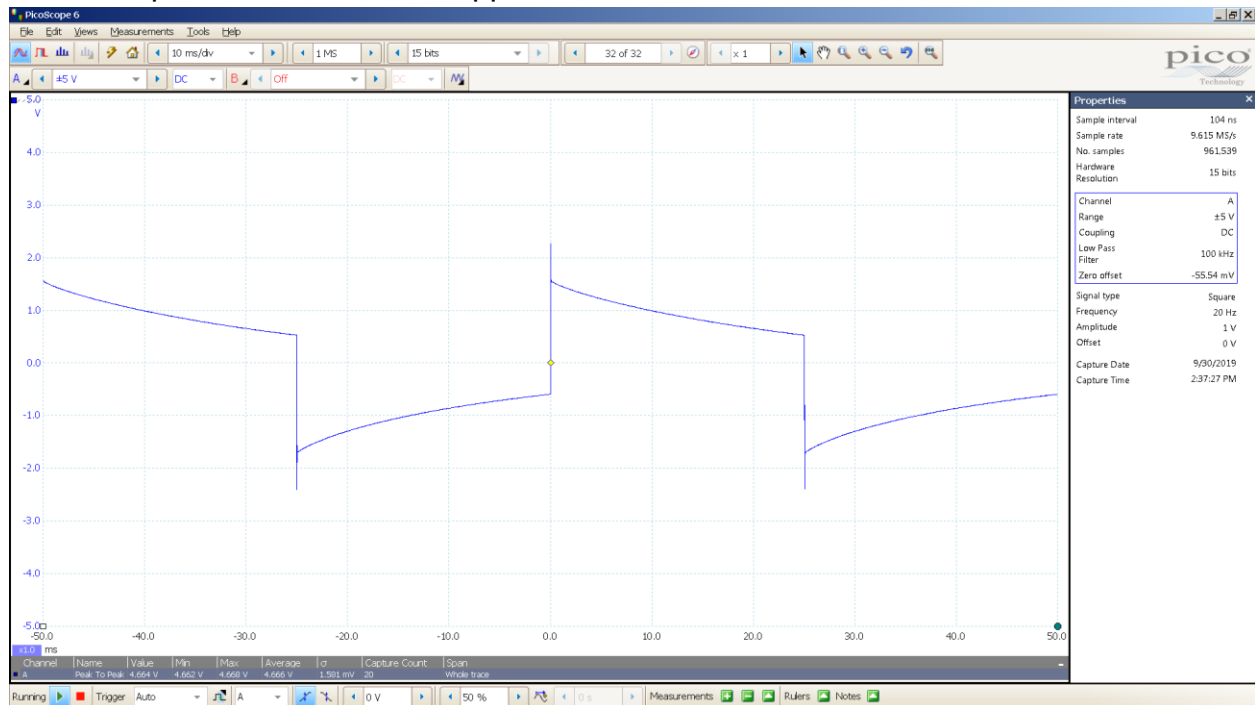
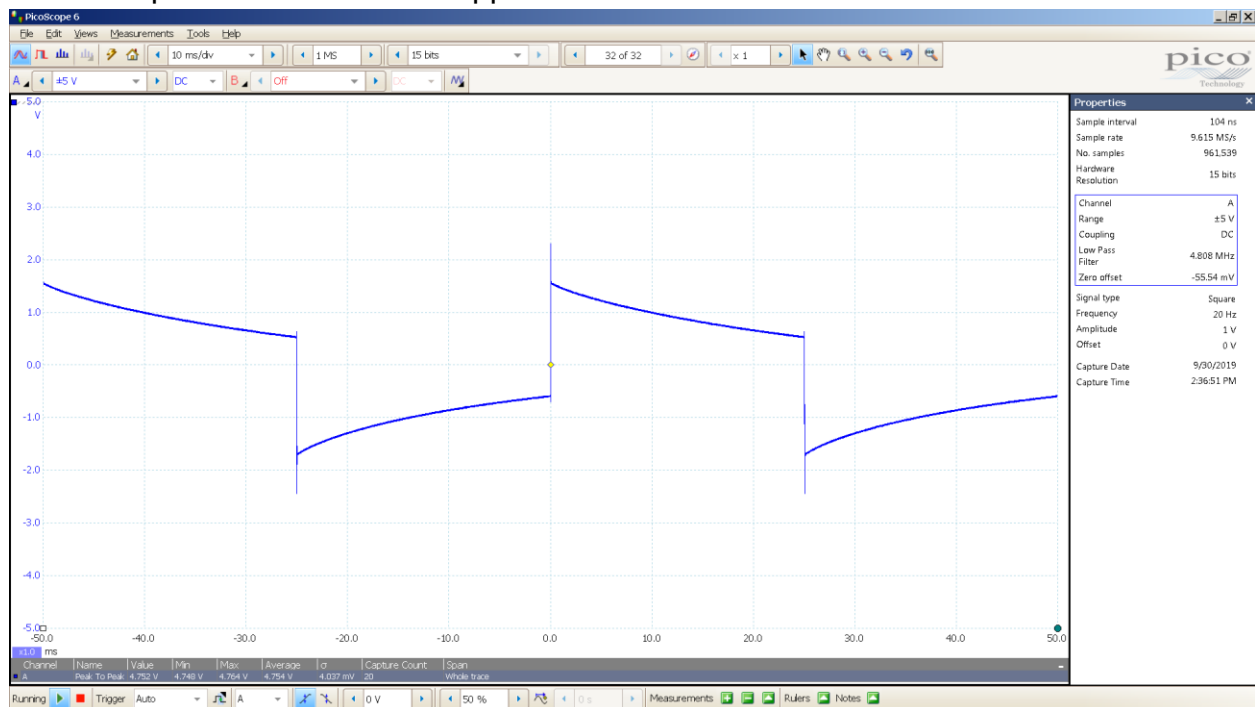


Shortest Way 51+ SE input SE Output square wave measurements  
300R load Low Z output – 6Z51P tubes

SW51+ square wave 20 Hz 2 Vpp 10 mS / div 300R load 100 KHz BW

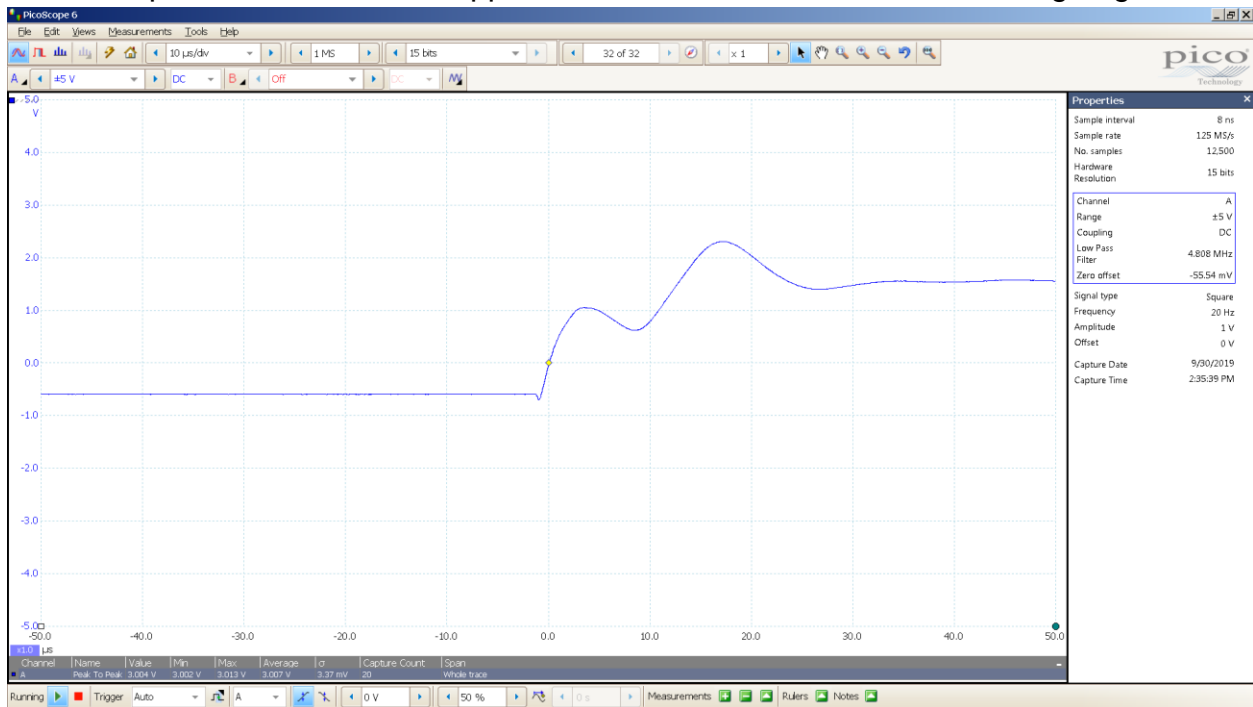


SW51+ square wave 20 Hz 2 Vpp 10 mS / div 300R load 5 MHz BW

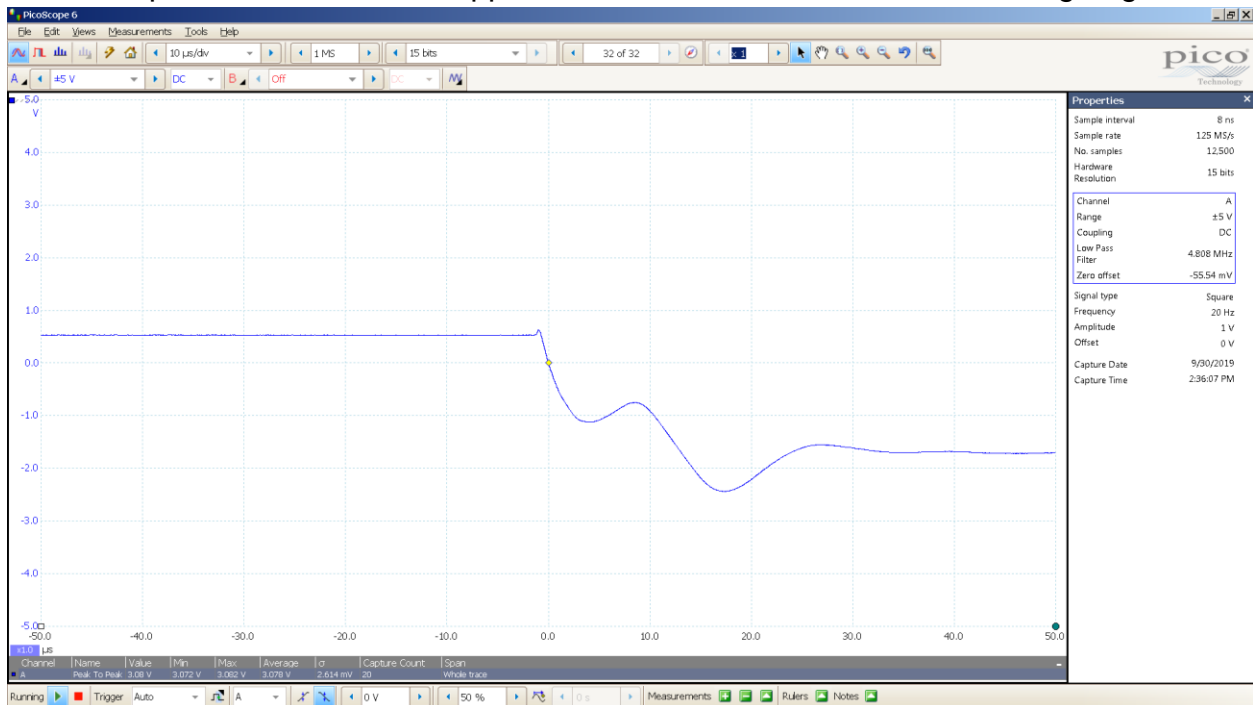


Shortest Way 51+ SE input SE Output square wave measurements  
300R load Low Z output – 6Z51P tubes

SW51+ square wave 20 Hz 2 Vpp 10  $\mu$ S / div 300R load 5 MHz BW rising edge

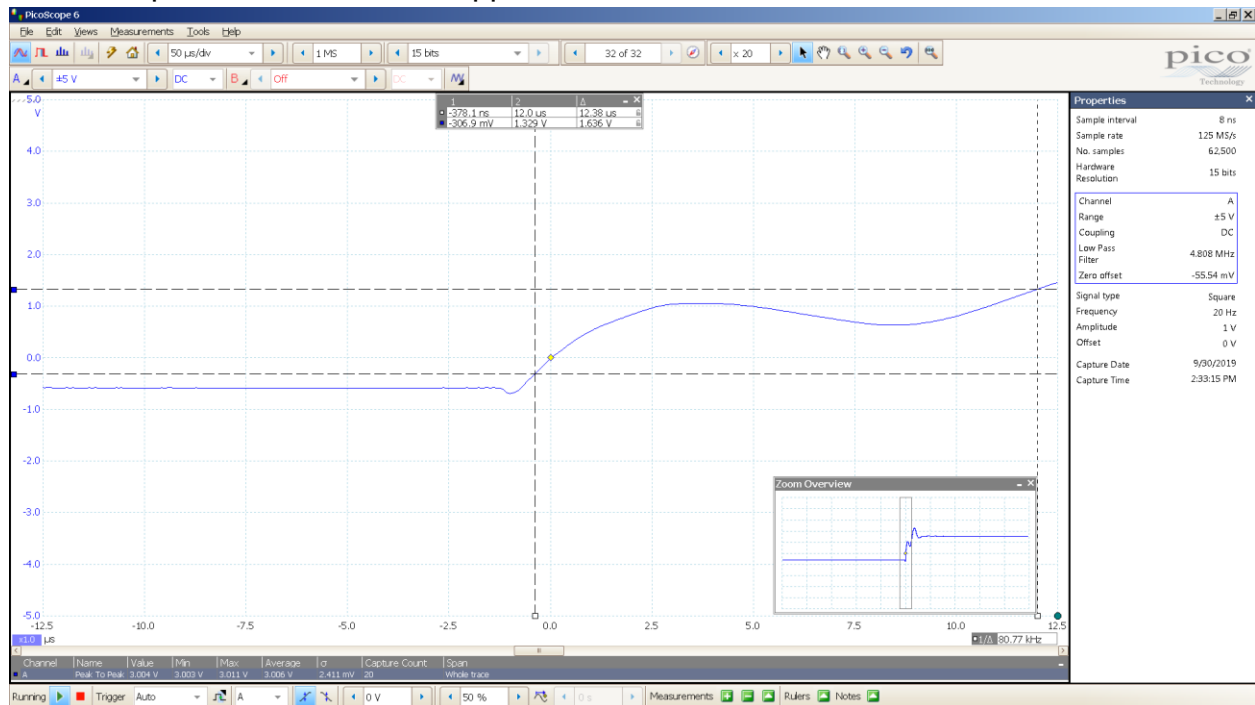


SW51+ square wave 20 Hz 2 Vpp 10  $\mu$ S / div 300R load 5 MHz BW falling edge



Shortest Way 51+ SE input SE Output square wave measurements  
300R load Low Z output – 6Z51P tubes

SW51+ square wave 20 Hz 2 Vpp 2.5 uS / div 300R load 5 MHz BW



Bandwidth estimation:  $BW \text{ (MHz)} = 0.35 / RT \text{ (mS)}$

Where  $RT = 10 \text{ to } 90\% \text{ Rise Time}$

$0.35 / 12.38 \text{ uS} = 28.3 \text{ KHz}$