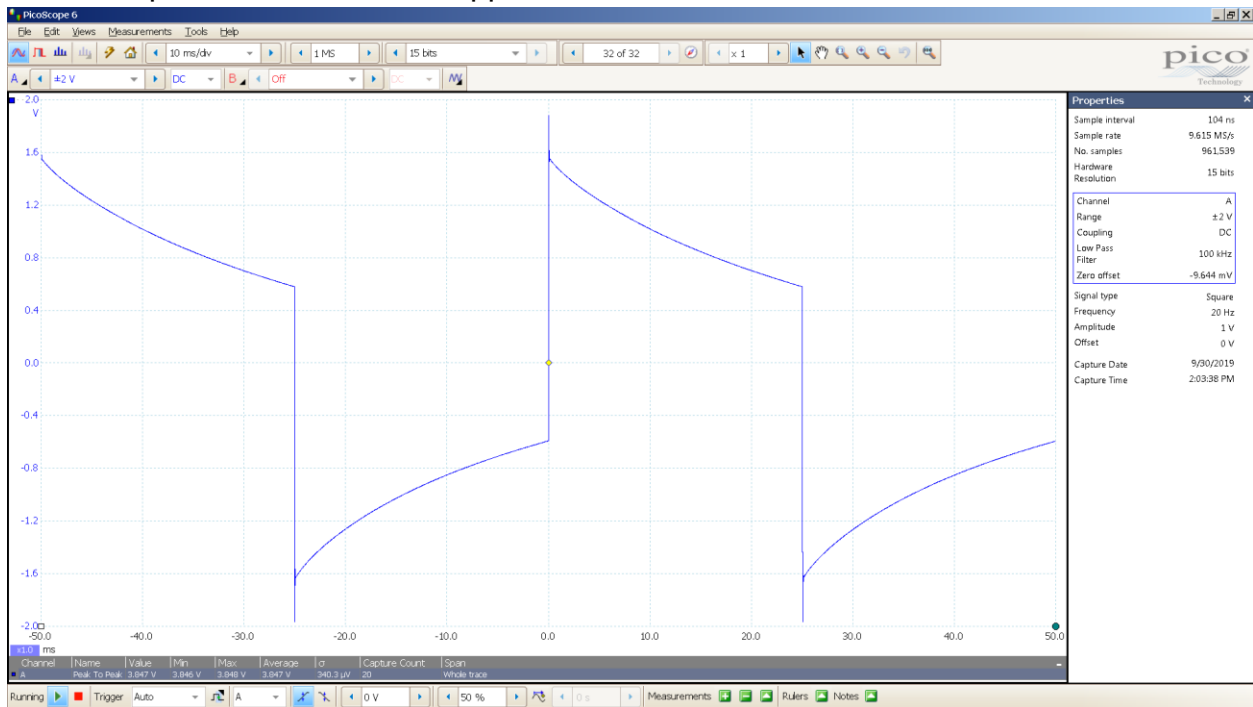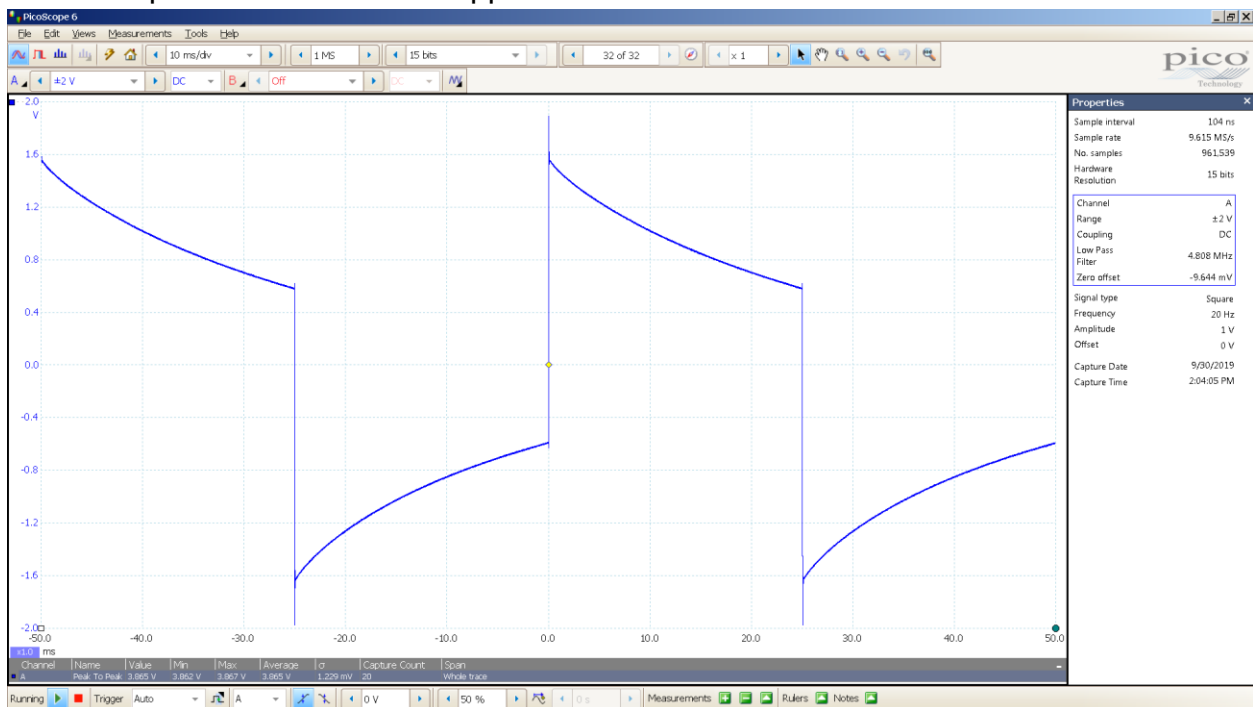# Shortest Way 51+ SE input SE Output square wave measurements
300R load High Z output – 6Z51P tubes

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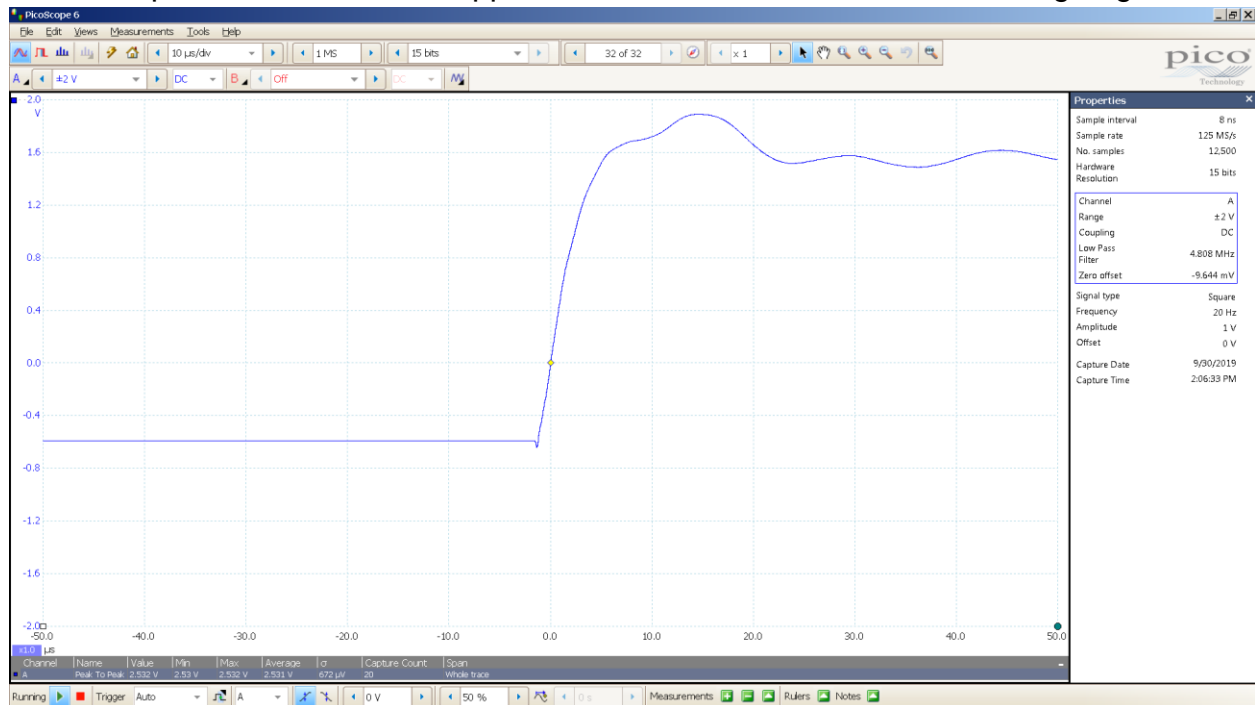

SW51+ square wave 20 Hz   2 Vpp 10 mS / div 300R load 5 MHz BW

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

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

SW51+ square wave 20 Hz   2 Vpp 10 uS / div 300R load 5 MHz BW falling edge
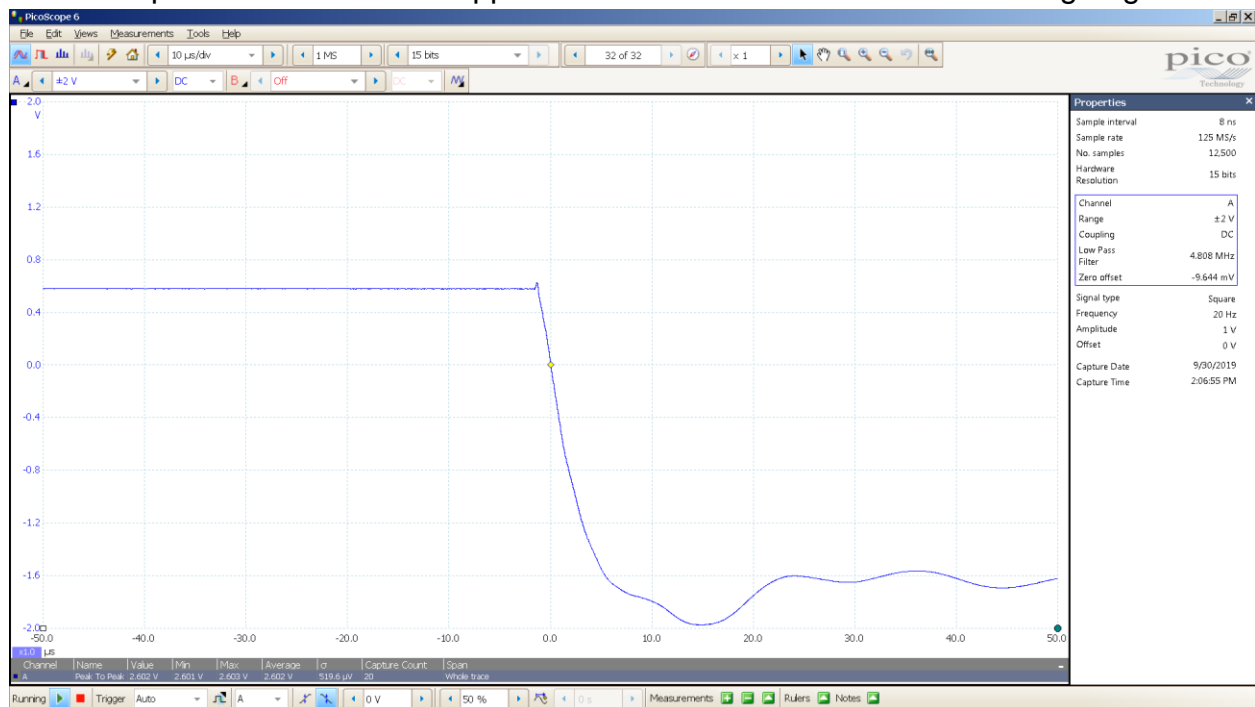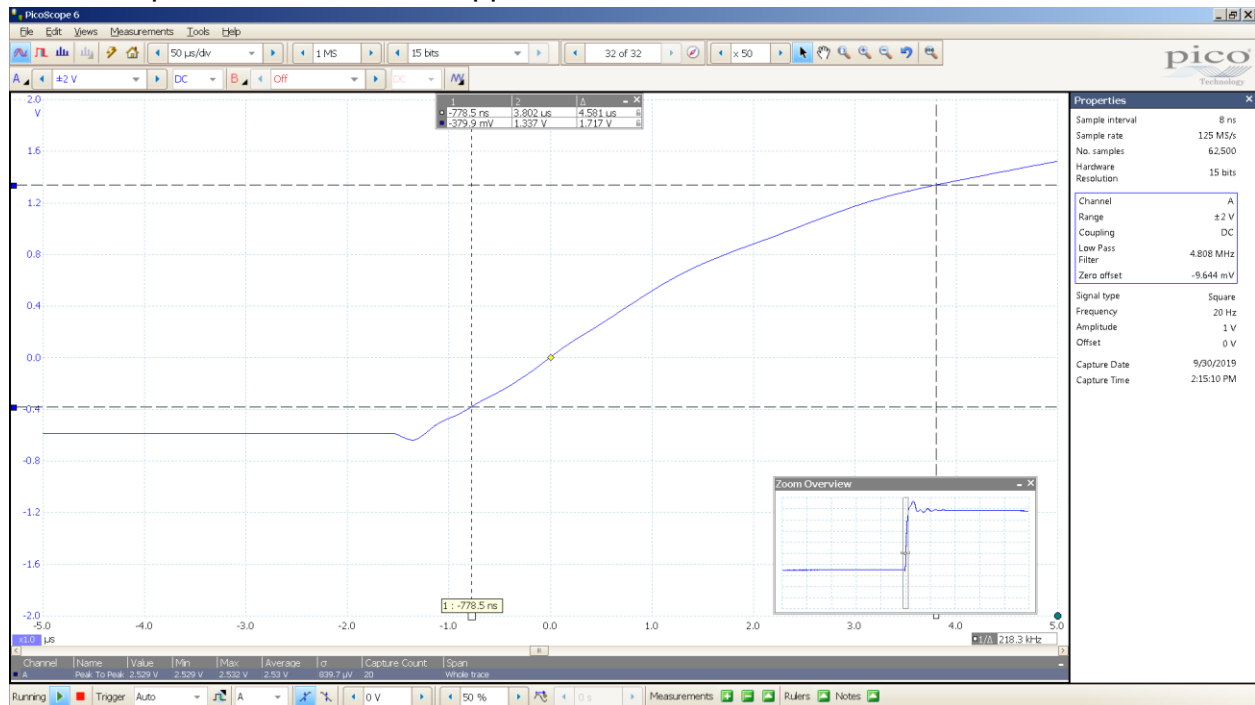
Shortest Way 51+ SE input SE Output square wave measurements
300R load High Z output – 6Z51P tubes

SW51+ square wave 20 Hz   2 Vpp 1 uS / div 300R load 5 MHz BW

Bandwidth estimation: BW (MHz) = 0.35 / RT (mS)
Where RT = 10 to 90% Rise Time
0.35 / 4.581 uS = 76.4 KHz