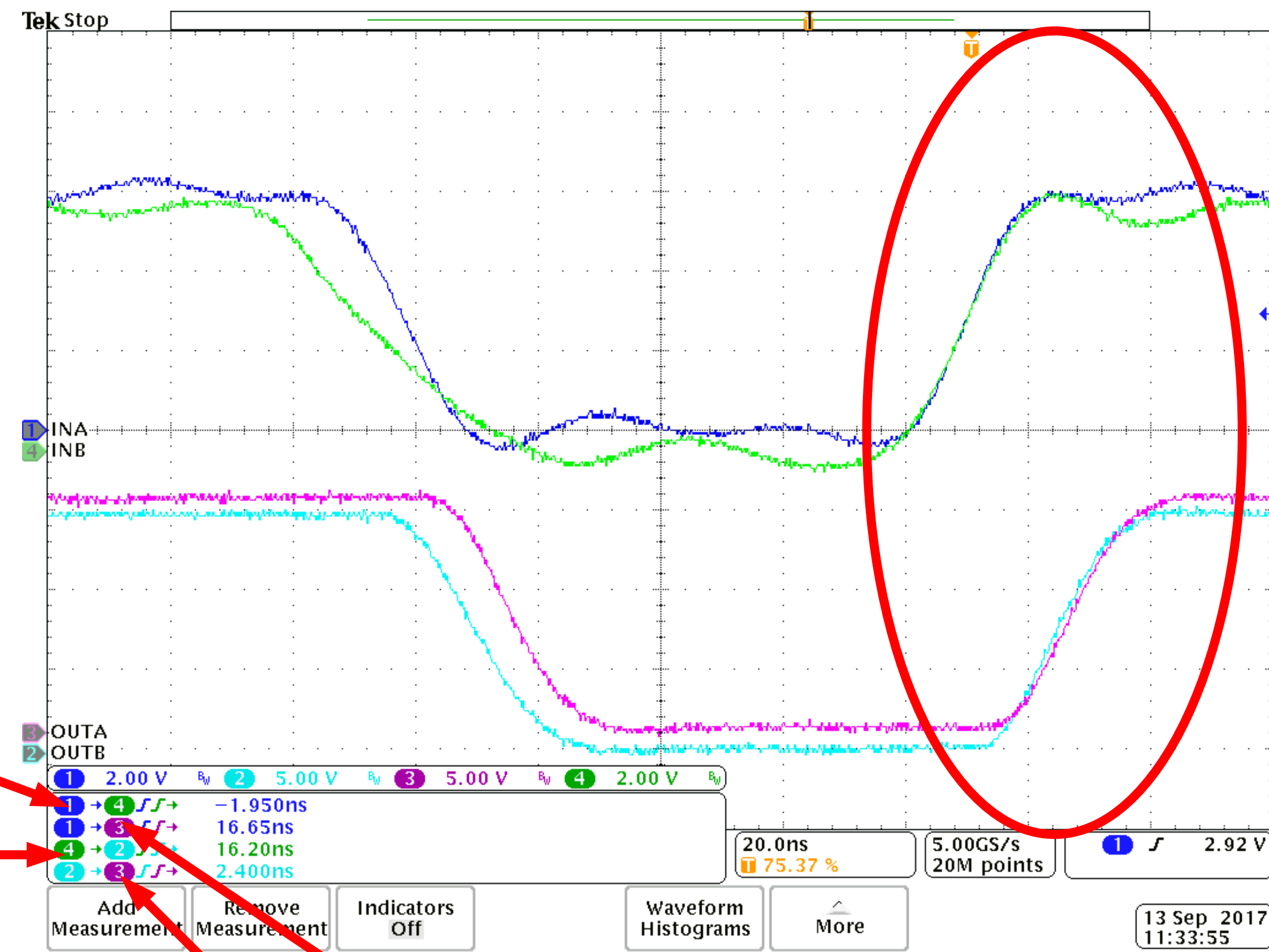


Pulses overlap (DT = VCC) -> no deadtime (0ns)



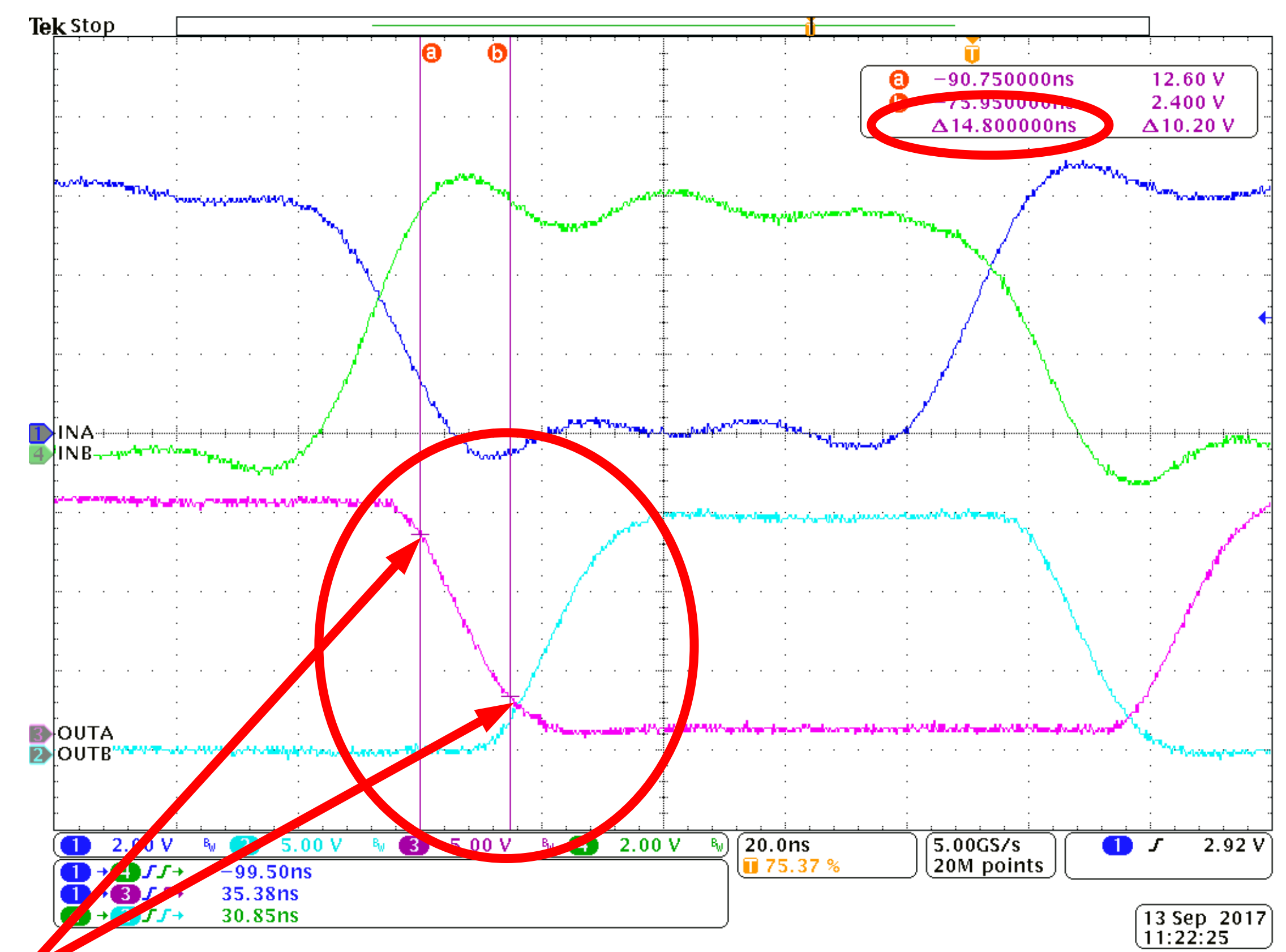
Simultaneous Inputs
@ max SWfreq
5MHz or 200ns
period

Channel-B
Propagation
delay time
= 16.2ns

OUTA - OUTB
Delay matching time
= 2.4ns - INA/B delay
= 2.4ns - 1.95ns = 0.45ns

Channel-A
Propagation
delay time
= 16.65ns

Pulses don't overlap (DT is open) -> deadtime is at a minimum (<15ns)



Channel-A Deadtime starts when
OUTA falls to 90% of the rail.
Deadtime stops when OUTB
reaches 10% of the rail.

NOTE: 90% and 10% values are not
exact.