

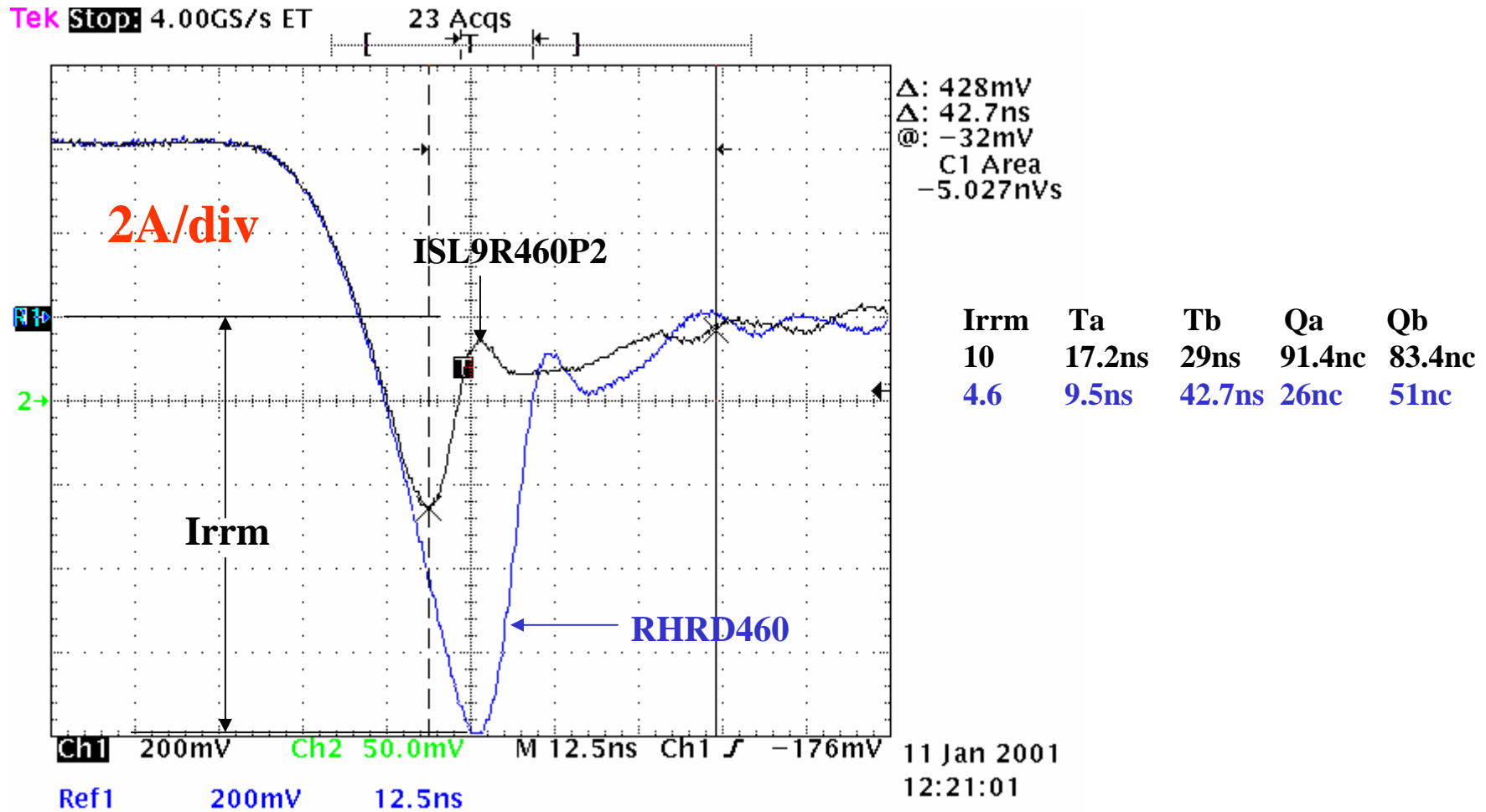
# **Performance Comparison**

**4A Stealth Diode Vs**

**8A ST and IR diode**

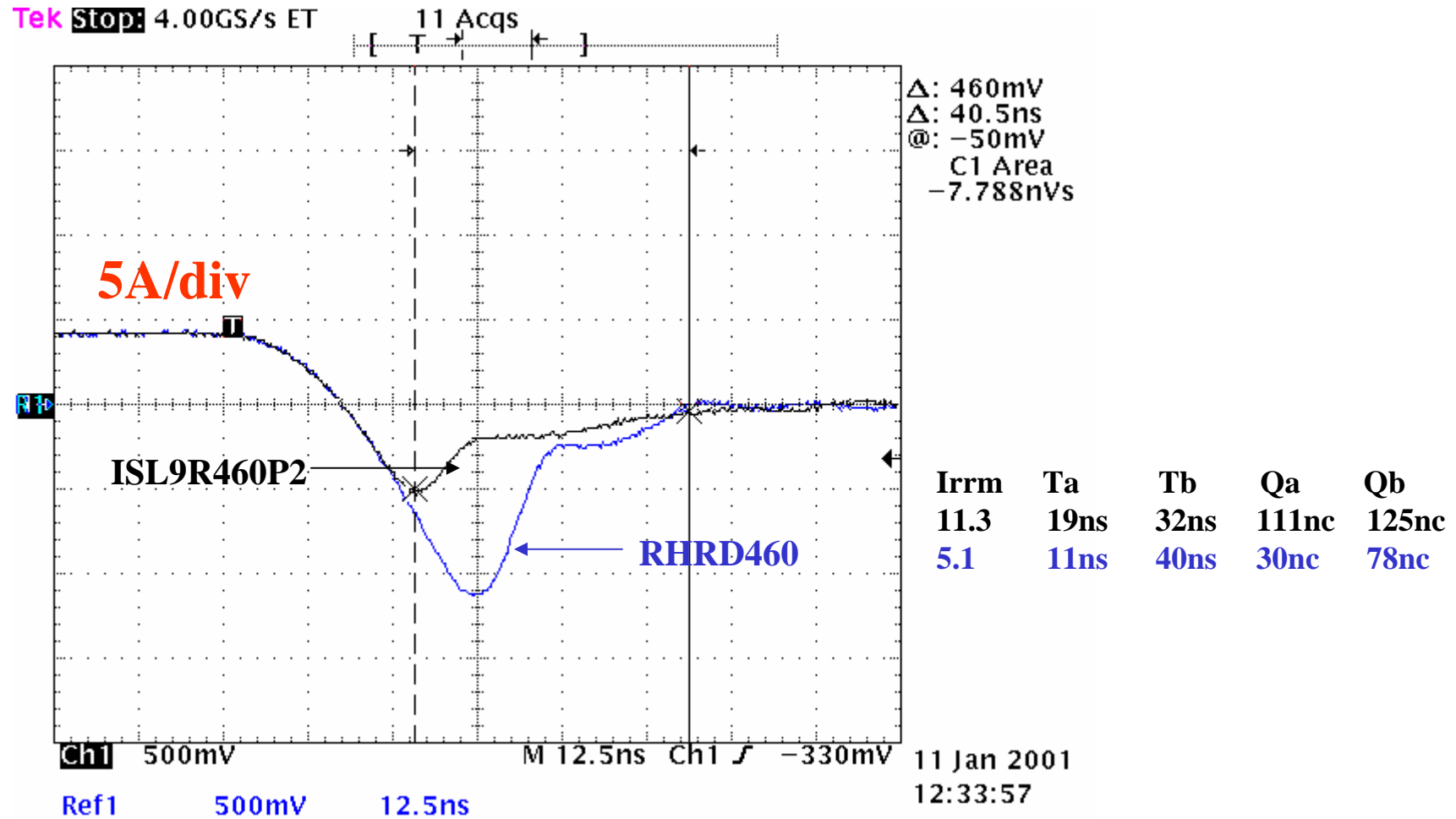
**Confidential**

# Fairchild's 4 amps Stealth and Hyperfast diode reverse recovery comparison @ $V_r=390$ volts, $I_f=4$ amps, $di/dt=600A/\mu\text{sec}$ and $T_c=80^\circ\text{C}$



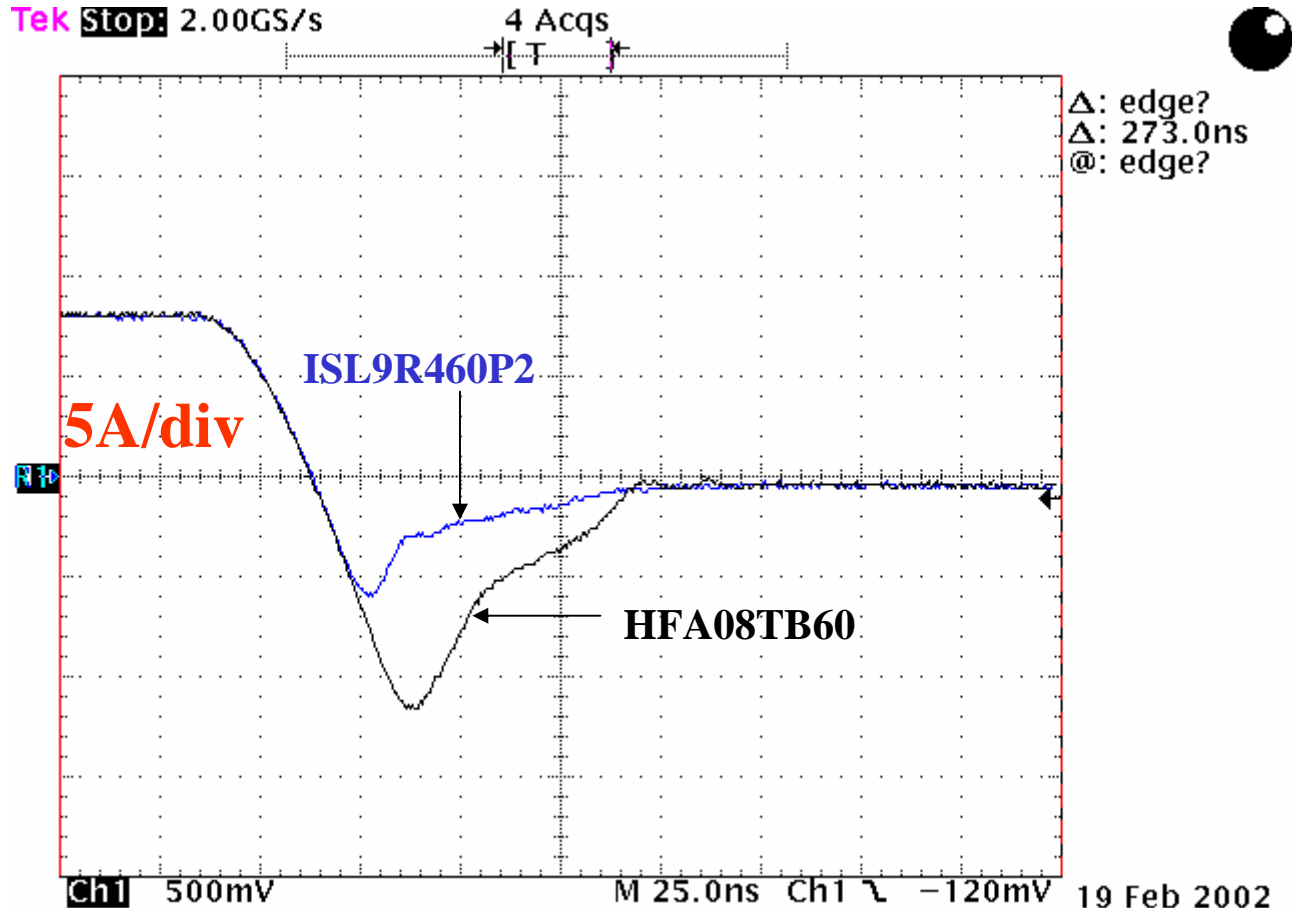
**Confidential**

# Fairchild's 4 amps Stealth and Hyperfast diode reverse recovery comparison @ Vr=390 volts, If=4 amps, di/dt=600A/μsec and Tc=125° C



**Confidential**

# Reverse recovery test for ISL9R460 and HFA08TB60 @ Vr=390 volts, If=8A, di/dt=400A/μsec anTj=125° C

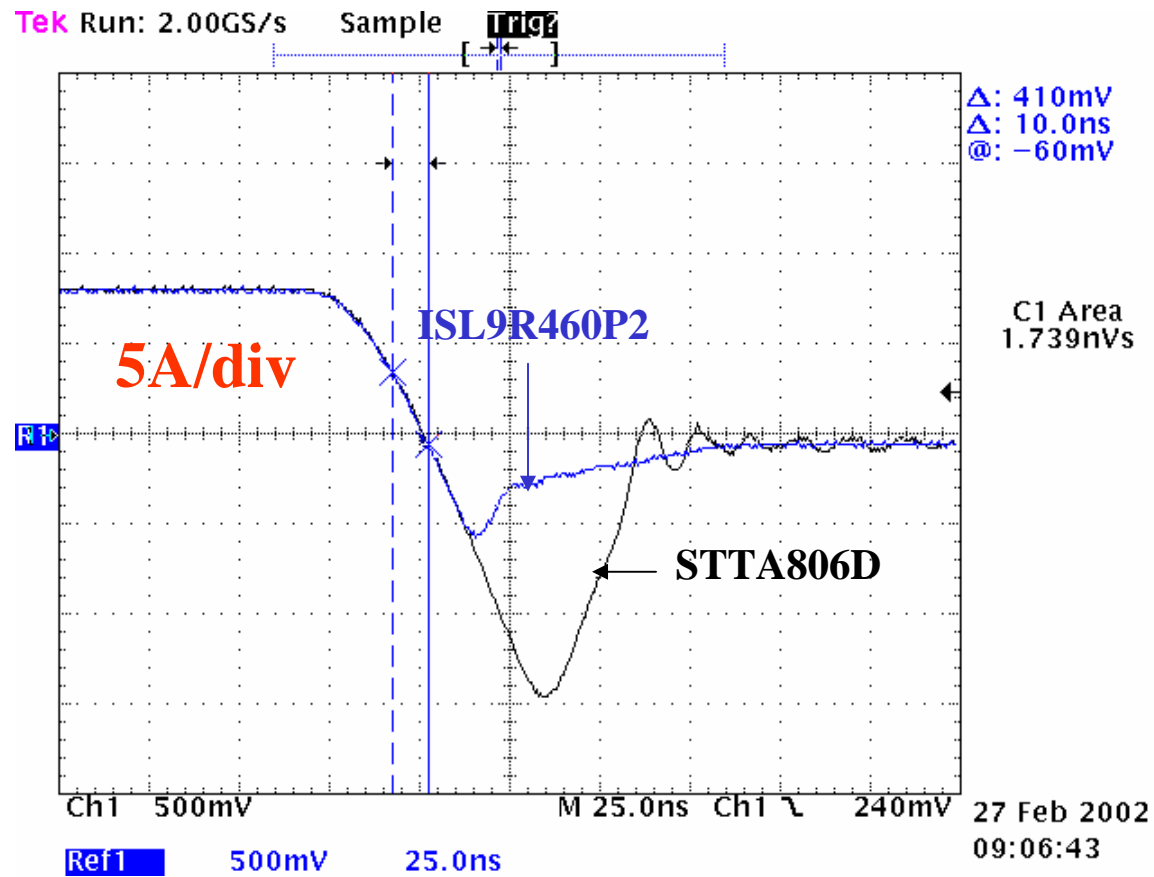


19 Feb 2002  
 09:46:52

	Ref1	500mV	25.0ns			
	Irrm	Qa	Qb	ta	tb	
	A	nC	nC	ns	ns	
ISL9R460P2	6.1	50	145	15	62	
HFA08TB60	11.5	154	298	25	52	

**Confidential**

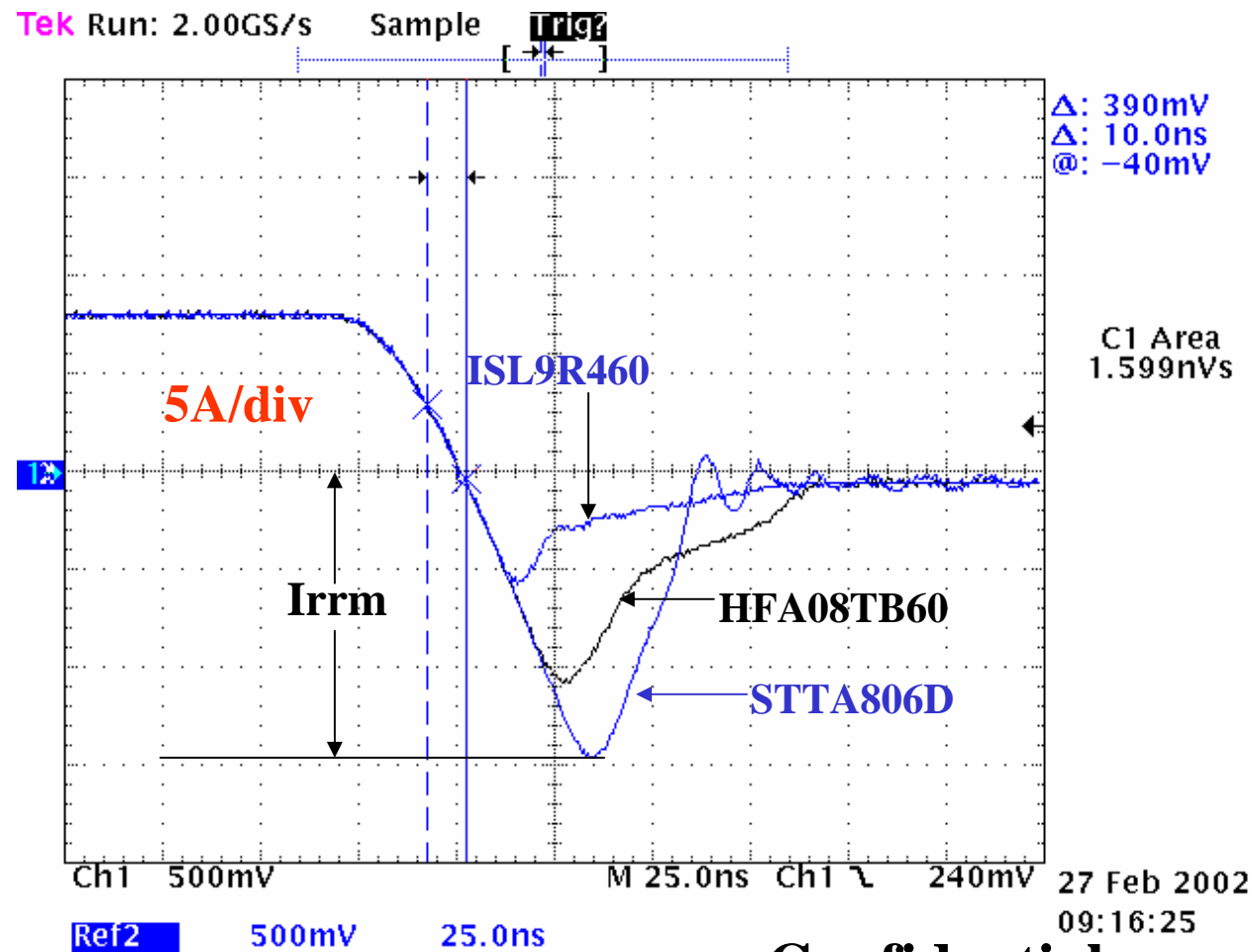
# Reverse recovery test for ISL9R460 and STTA806D @ $V_r=390$ volts, $I_f=8A$ , $di/dt=400A/msec$ and $T_j=125^\circ C$



**Confidential**

# Reverse recovery test for ISL9R460, HFA08TB60 and STTA806D

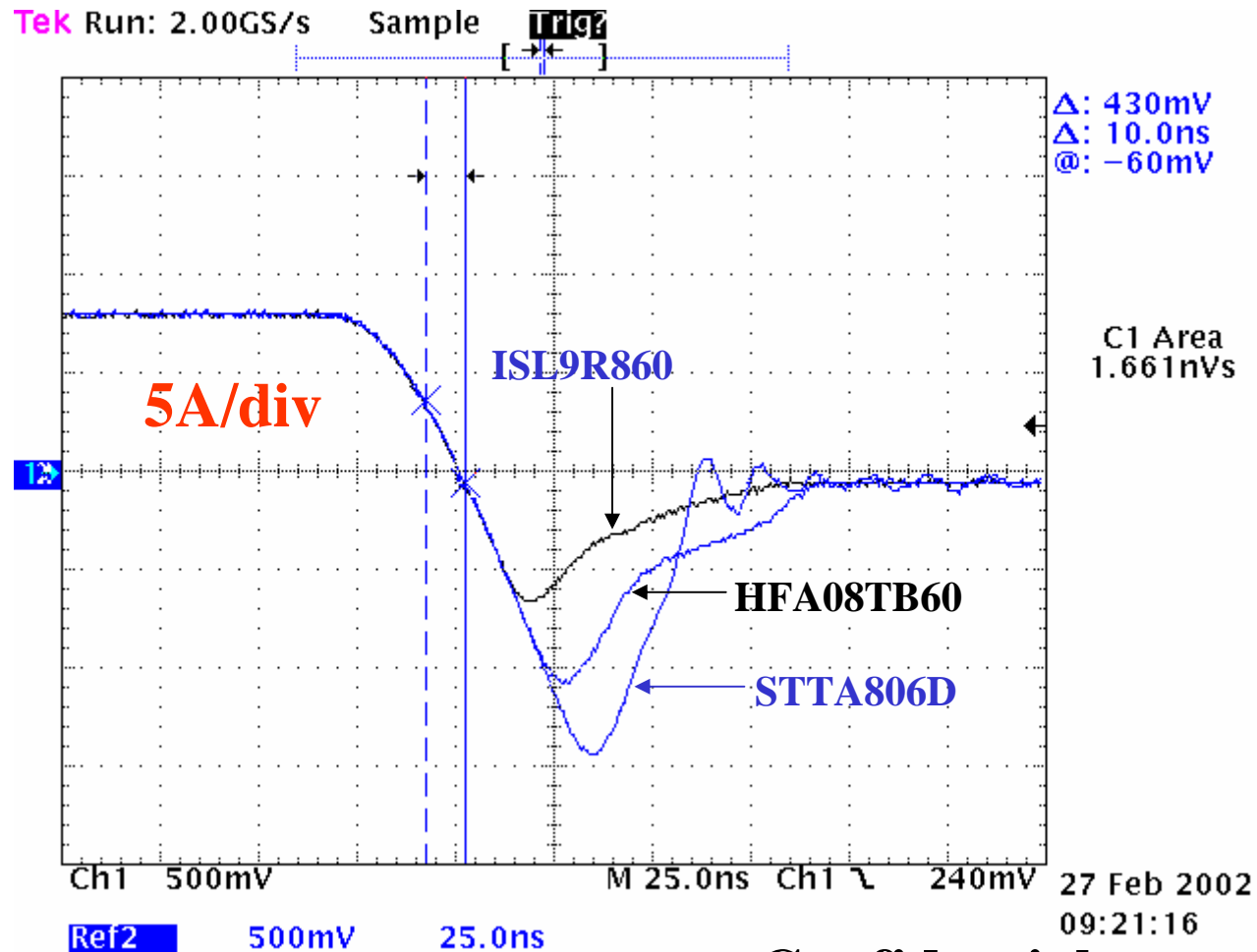
@  $V_r=390$  volts,  $I_f=8A$ ,  $di/dt=400A/$  msec an  $T_j=125^\circ$  C



27 Feb 2002 09:16:25  
**Confidential**

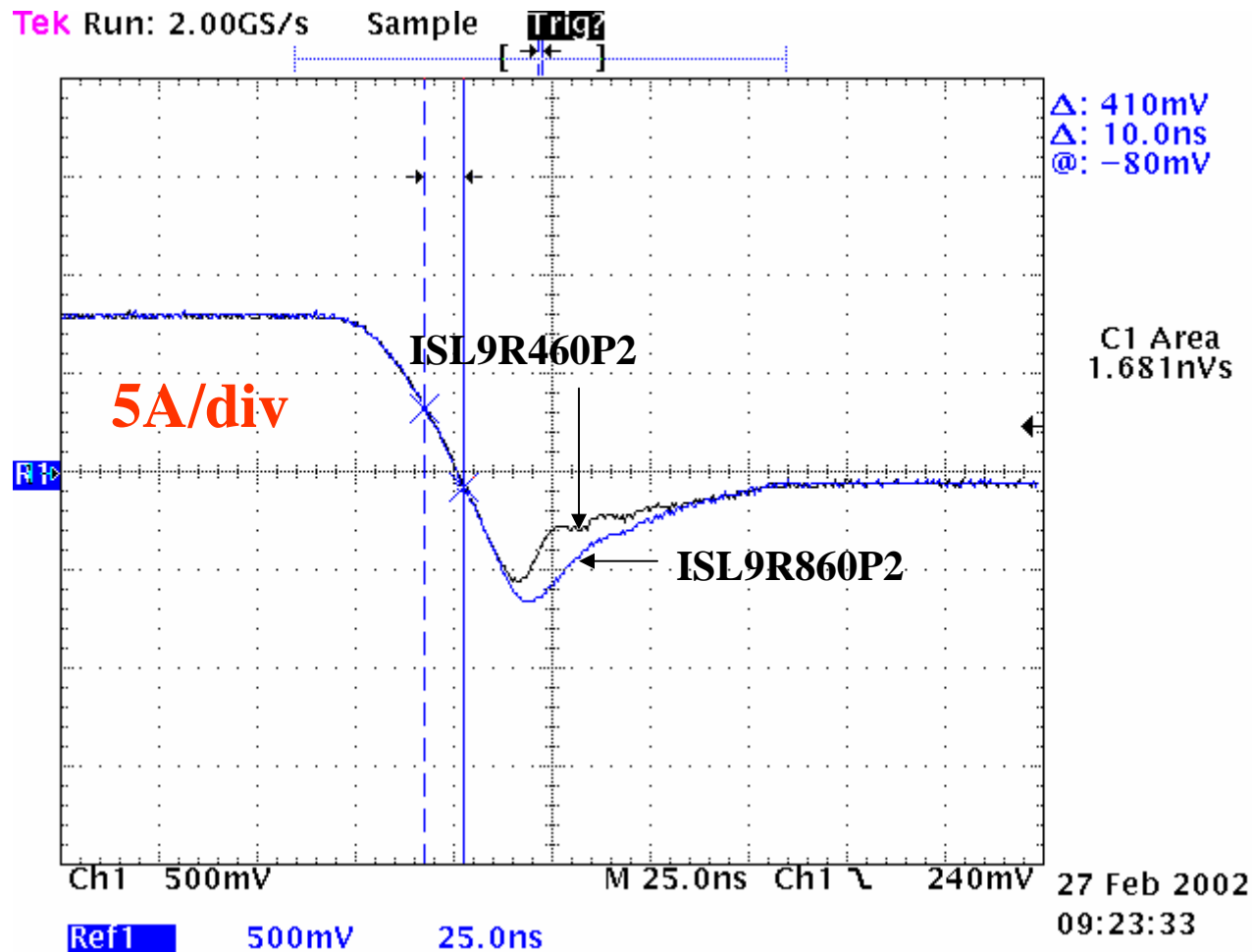
# Reverse recovery test for ISL9R860, HFA08TB60 and STTA806D

@  $V_r=390$  volts,  $I_f=8A$ ,  $di/dt=400A/$  msec an  $T_j=125^\circ$  C



Confidential

# Reverse recovery test for ISL9R460 and ISL9R860P2 @ $V_r=390$ volts, $I_f=8A$ , $di/dt=400A/msec$ and $T_j=125^\circ C$



Confidential