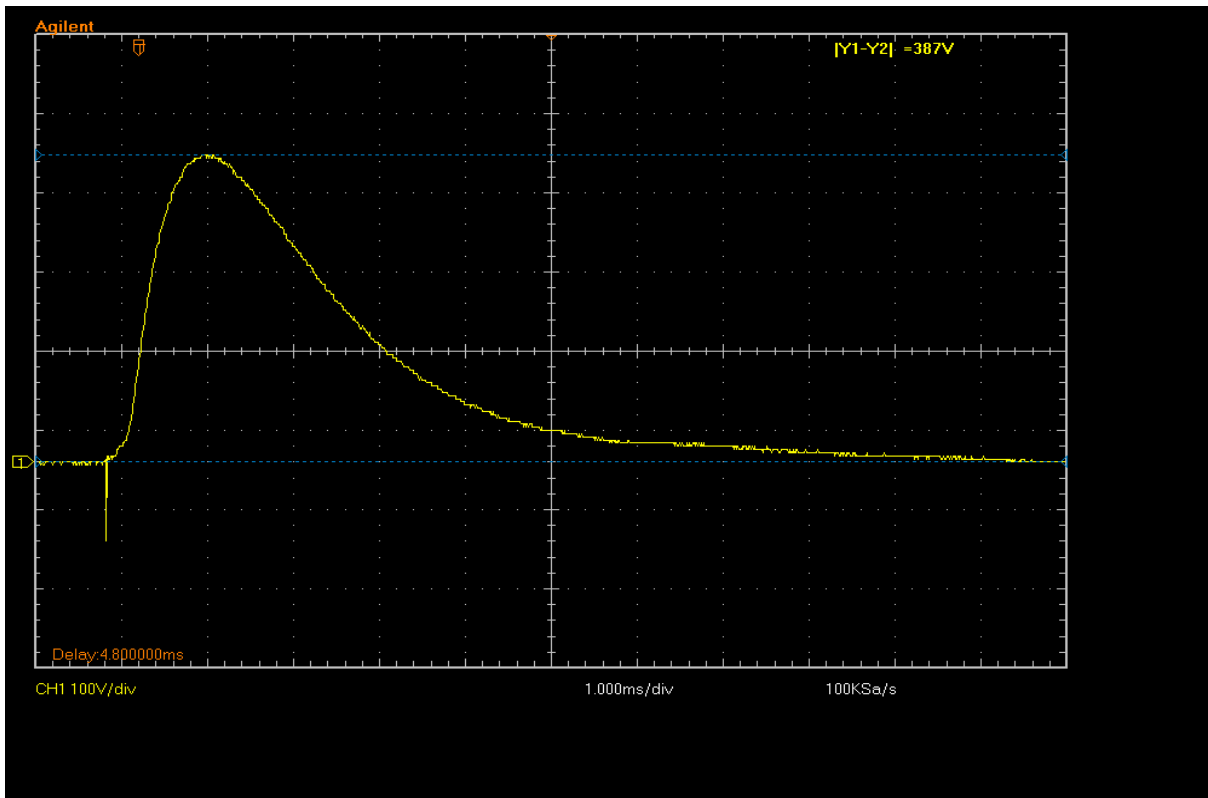


Standard AMMI DF80 2003

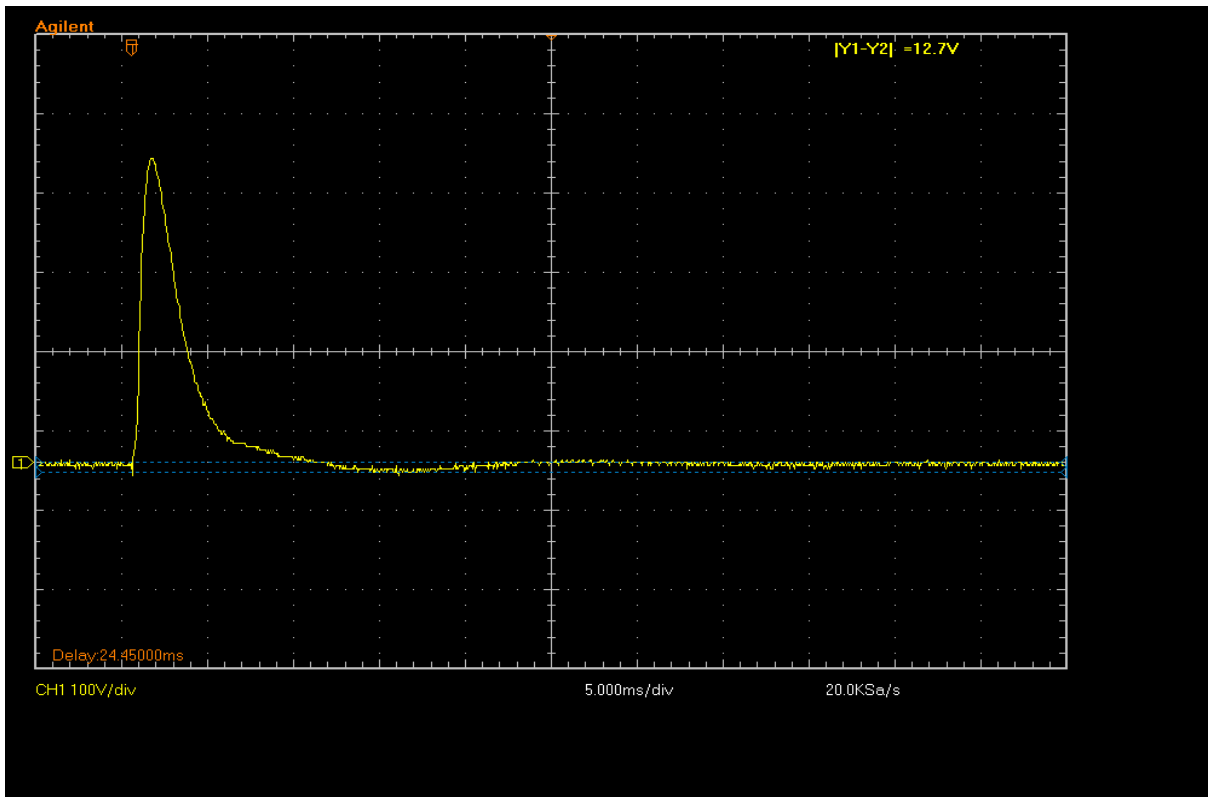
Table US.DD.1- Specifications for damped sinusoidal output waveforms

Load Resistance 50ohms		Energy = 360J	$\alpha = \sqrt{360J/360} = 1$
Results	Waveform Specifications		
$I_p = 64A$	(45Amin - 66Amax)		
$I_r = 2.02A$	$\leq 25.6A$		
$I_{20max} = 0.45A$	$\leq 0.92A$		
$t_r = 0.55mS$	(0.4mS min - 1.42mS max)		
$t_{50} = 2.77mS$	(2.1mS min - 4.17mS max)		
$t_{10} = 5.3mS$	(3.1mS min - 9.20mS max)		

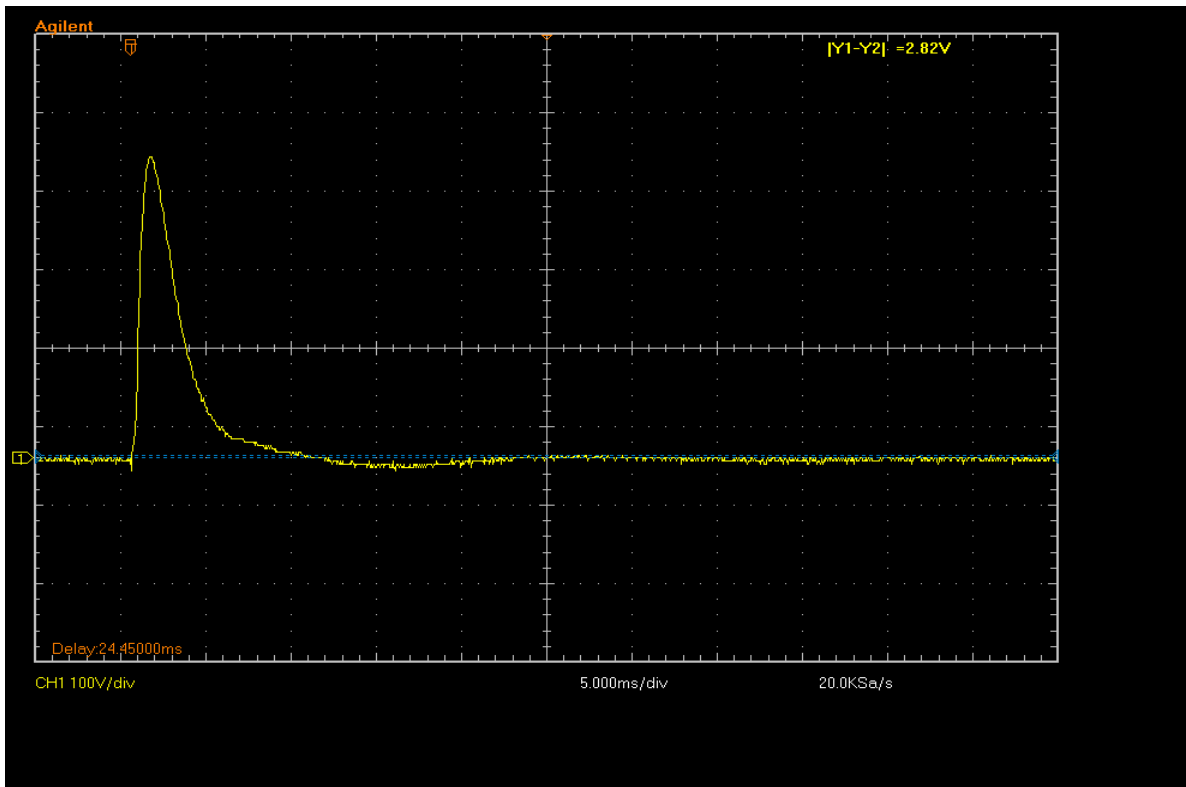
The waveform obtained complies with all the specifications



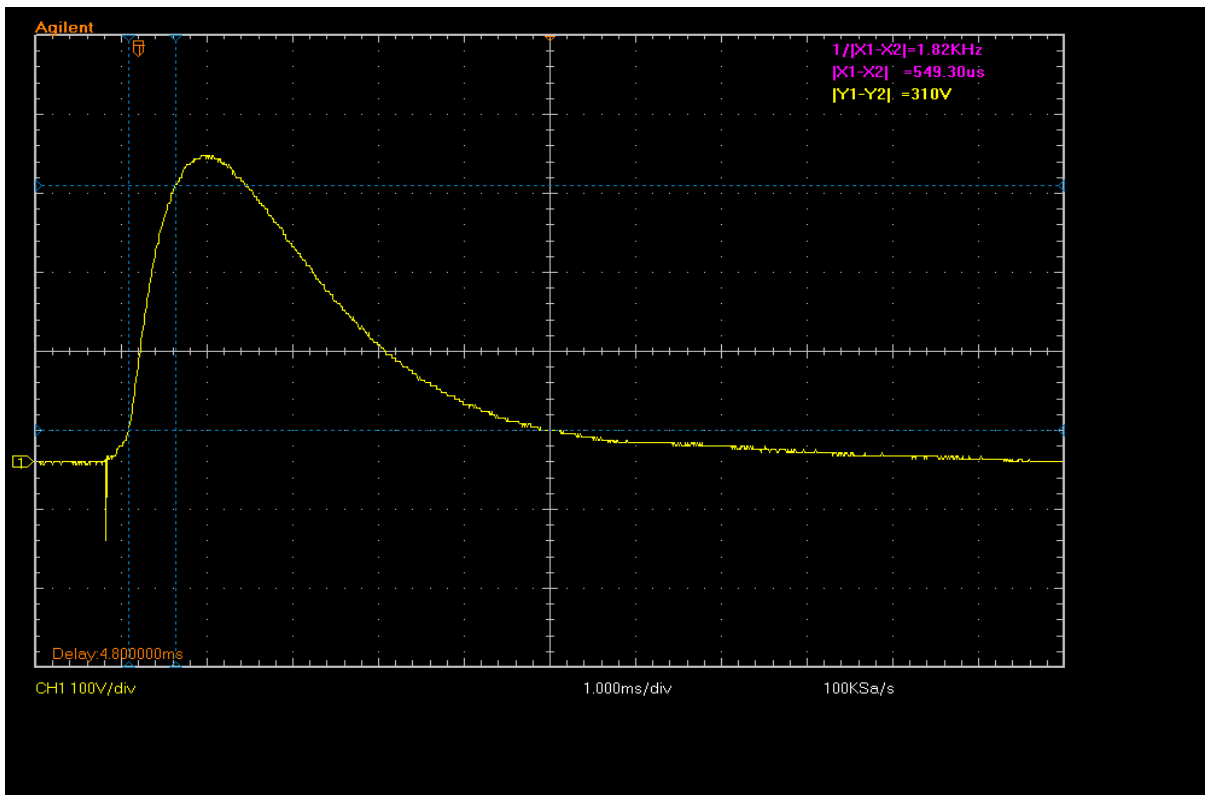
Load Resistance = 50 ohms
Using current shunt of 6.3ohms, $I_p = 387V/6.3ohms = 61.43A$



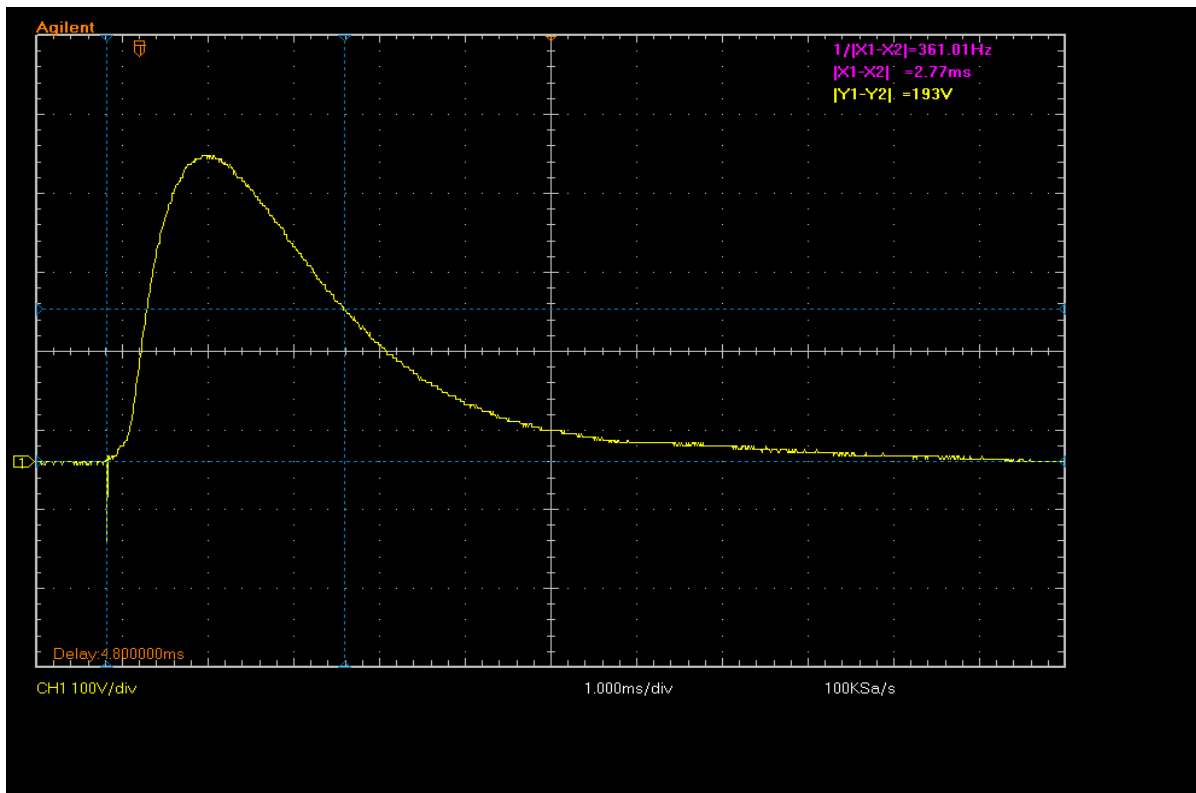
Load Resistance = 50 ohms
Using current shunt of 6.3ohms, $I_r = 12.7V/6.3ohms = 2.02A$
 $0.4I_p = 25.19A$ $I_r < 0.4I_p$



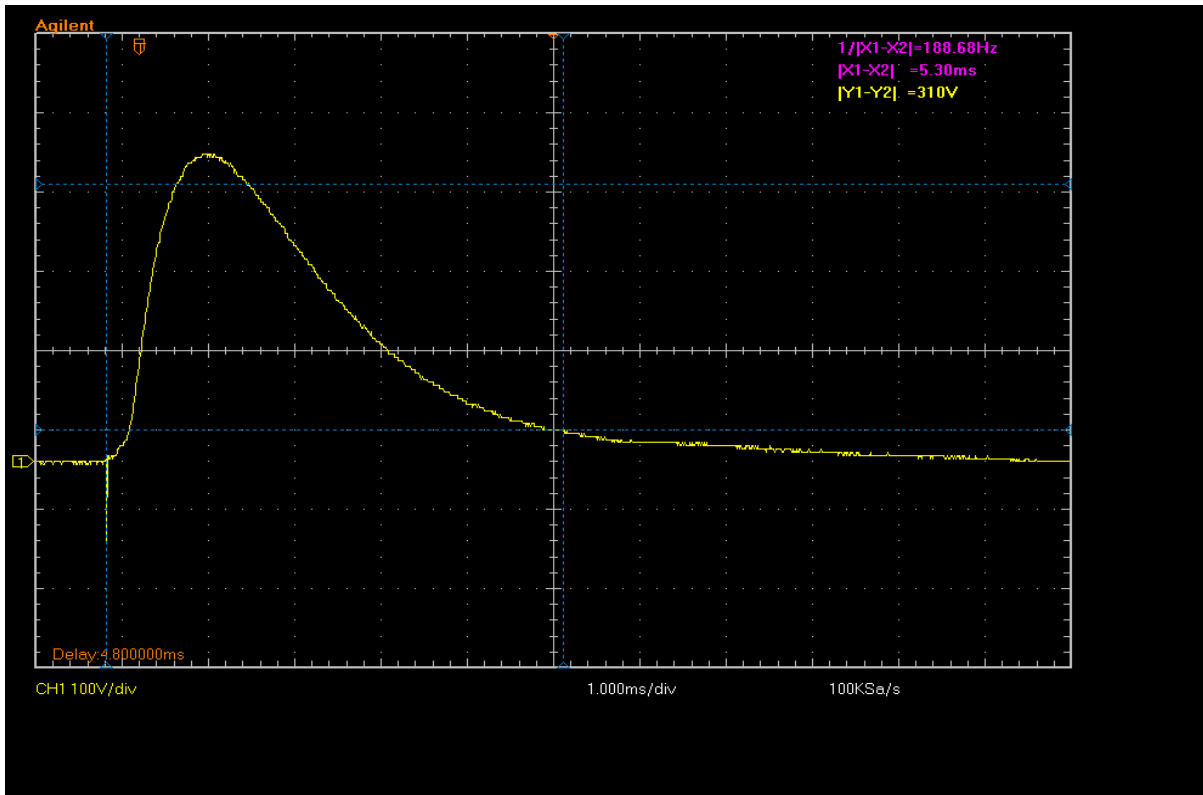
Load Resistance = 50 ohms
Using current shunt of 6.3ohms, $I_{20max} = 2.82V/6.3ohms = 0.45A$
 $0.015Ip = 0.92A$ $I_{20max} < 0.015Ip$



Load Resistance = 50 ohms
Using current shunt of 6.3ohms, t_r (10% I_p - 90% I_p) = 0.55mS
 $t_r > 0.40$ mS and $t_r < 1.42$ mS



Load Resistance = 50 ohms
Using current shunt of 6.3ohms, t_{50} (0%lp - 50%lp) = 2.77mS
 $t_r > 2.10$ mS and $t_r < 4.17$ mS



Load Resistance = 50 ohms
Using current shunt of 6.3ohms, t_{10} (0%I_p - 10%I_p decay) = 5.3mS
 $t_r > 3.10$ mS and $t_r < 9.20$ mS