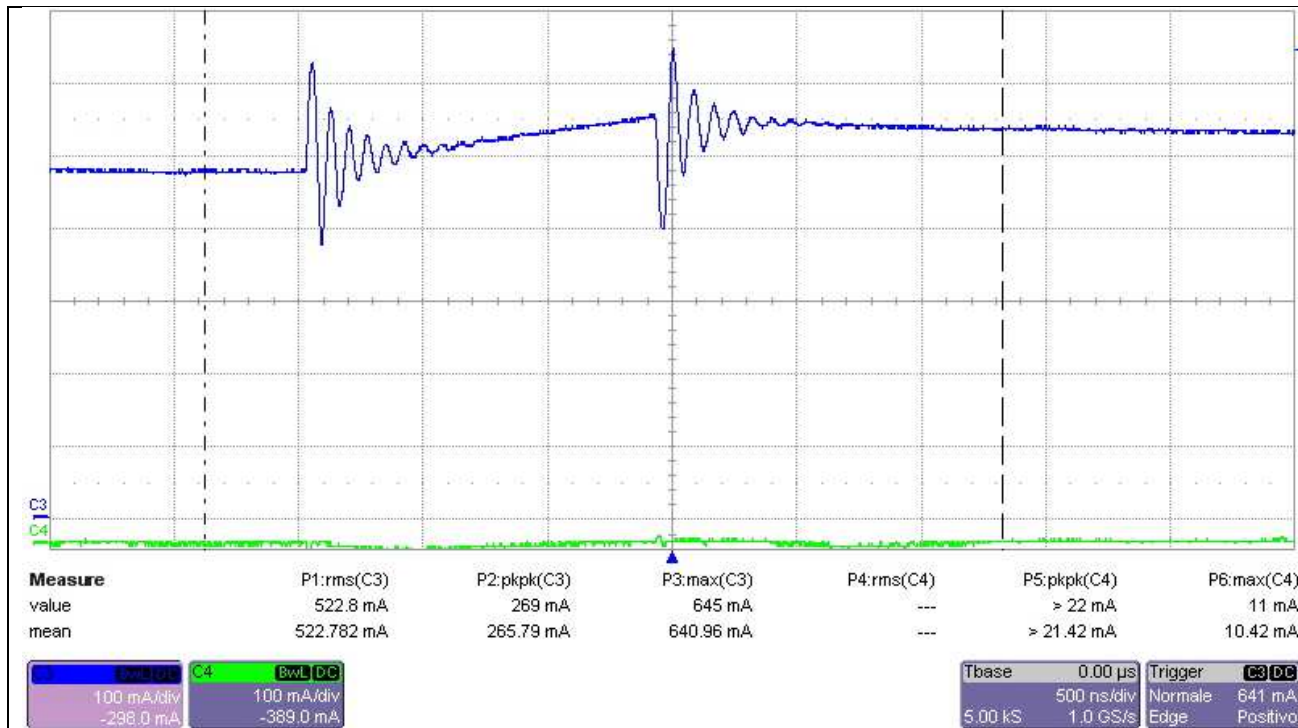


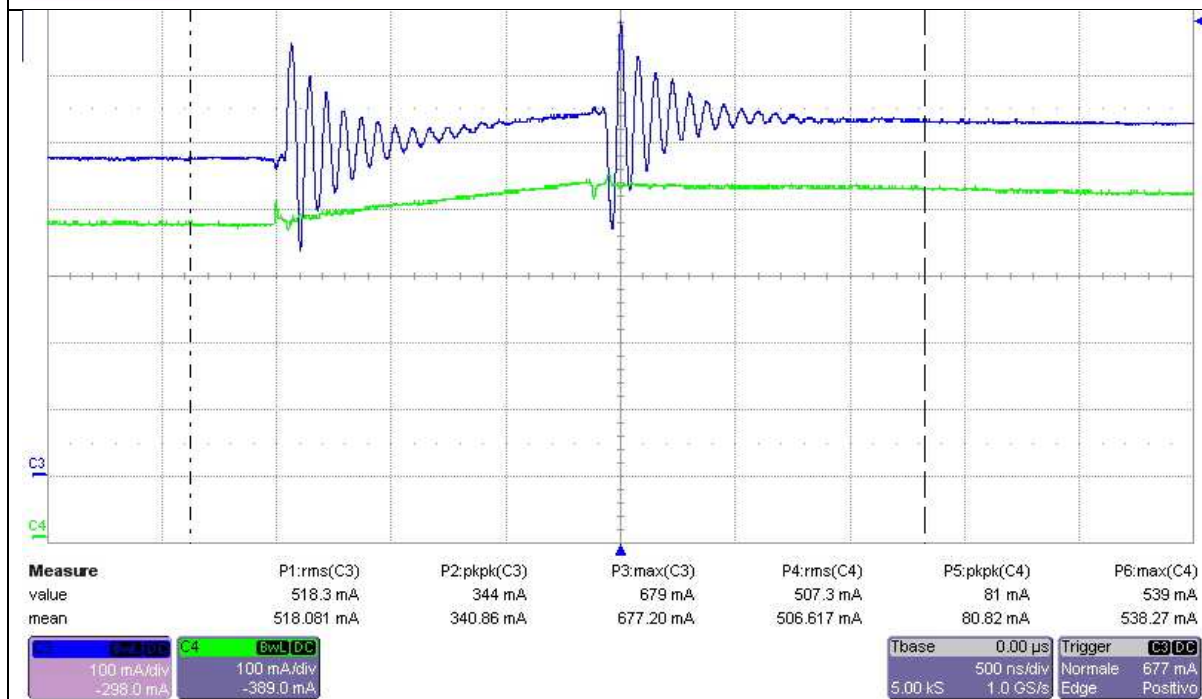


Test 1A

Cablaggio macchina + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 260mA

Test 1A

Machine harness + sk 5771 + CH1 ON => pkpk Current overshoot on CH1= 260mA

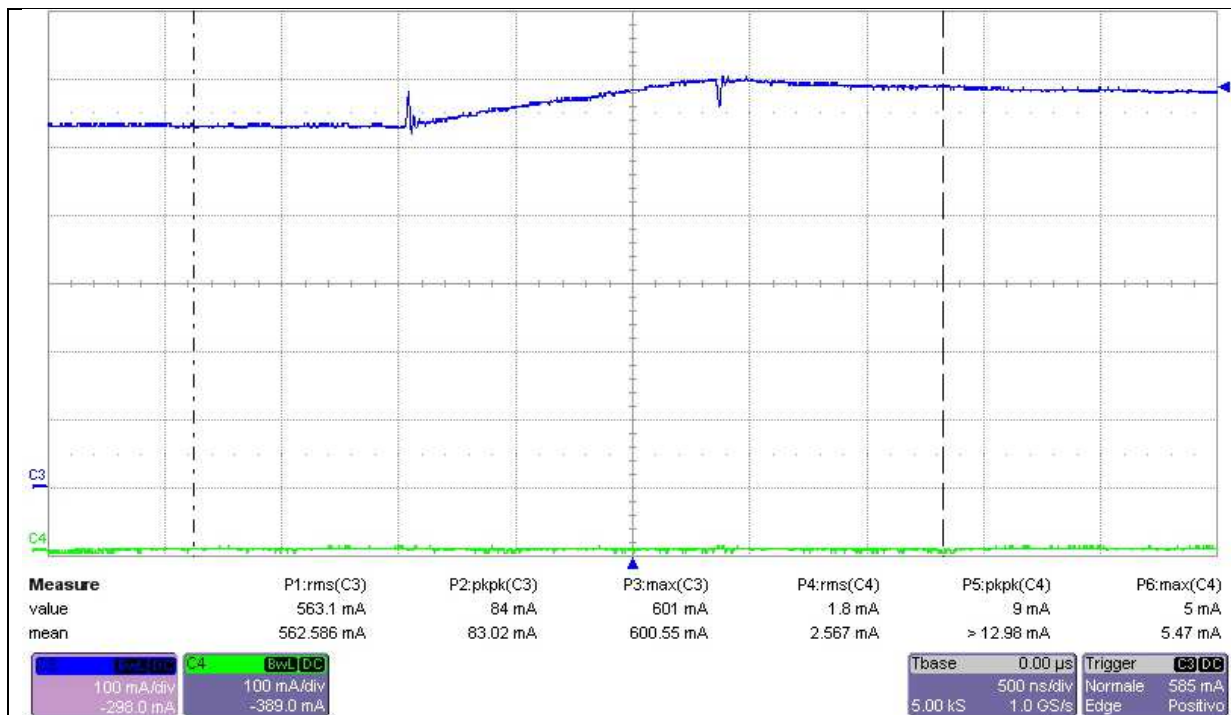


Test 1B

Cablaggio macchina + sk 5771 + CH1 ON + CH2 ON=> overshoot corrente CH1 pkpk = 340mA

Test 1B

Machine harness + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1= 340mA

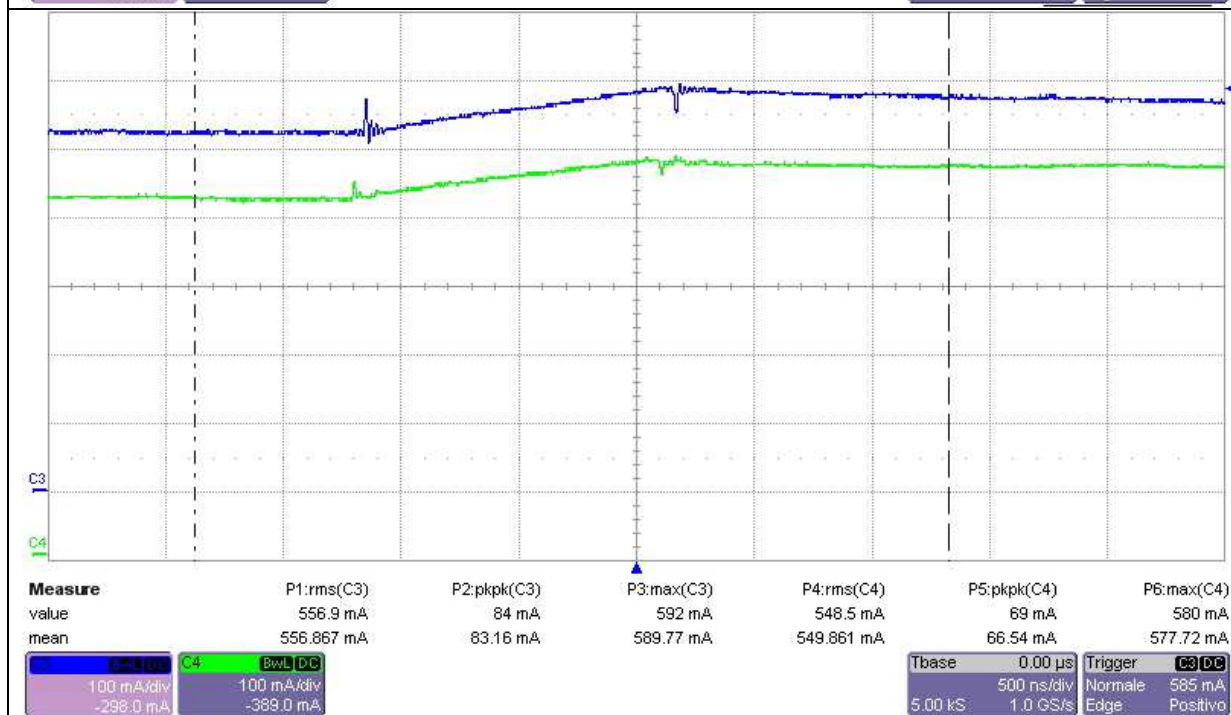


Test 2A

Cablaggio corto, fili separati + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 83mA

Test 2A

Short harness with separate wires + board 5771 + CH1 ON => pkpk Current overshoot on CH1= 83mA

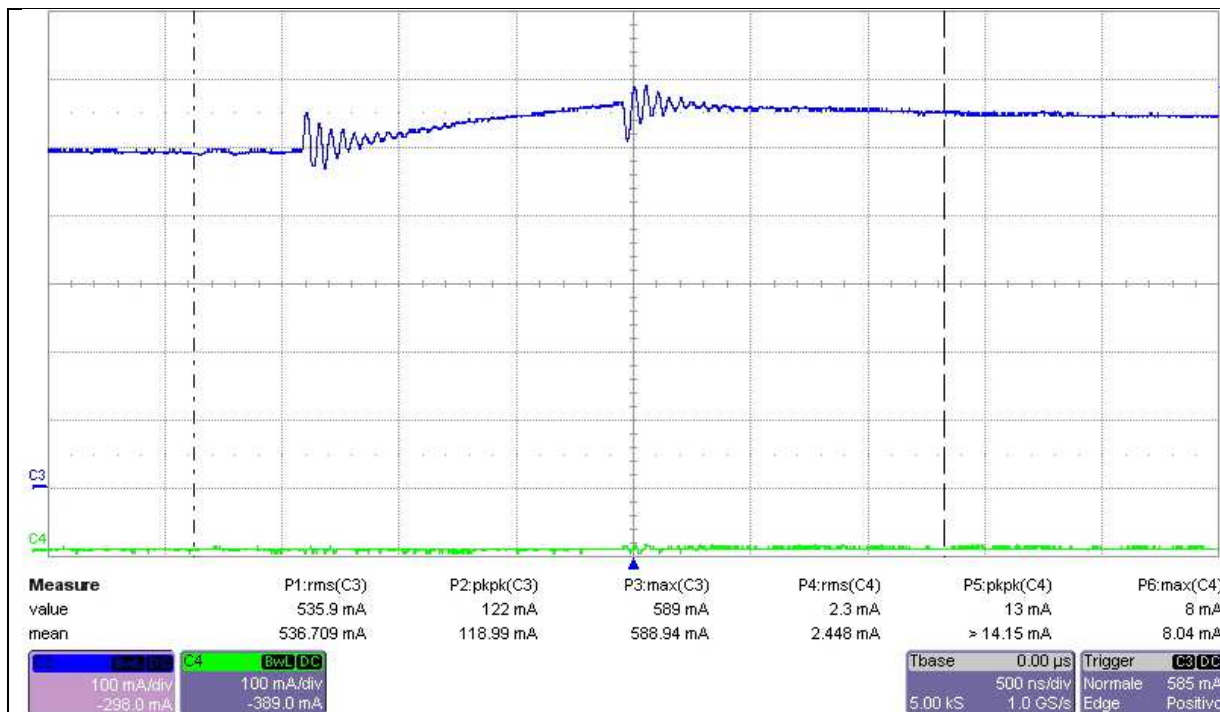


Test 2B

Cablaggio corto, fili separati + sk 5771 + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 83mA

Test 2B

Short harness with separate wires + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1= 83.1mA

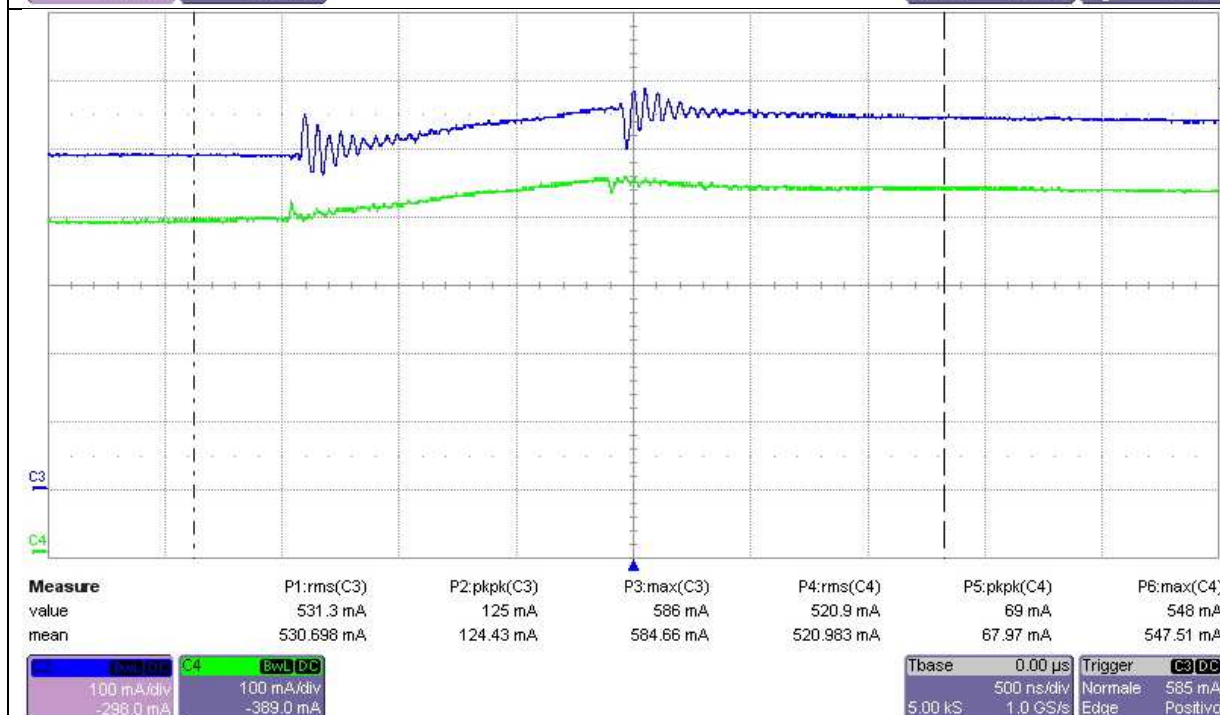


Test 3A

Cablaggio lungo, fili separati + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 118mA

Test 3A

Long harness with separate wires + board 5771 + CH1 ON => pkpk Current overshoot on CH1 = 118mA

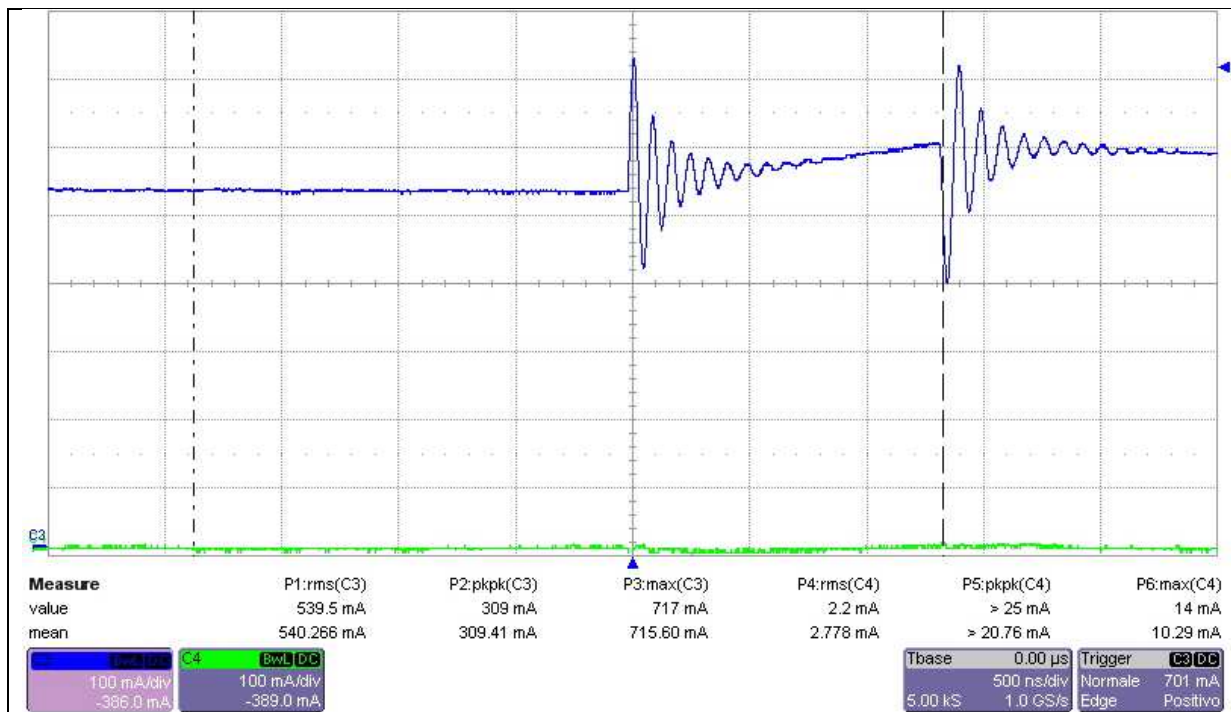


Test 3B

Cablaggio lungo, fili separati + sk 5771 + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 124mA

Test 3B

Long harness with separate wires + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 124mA

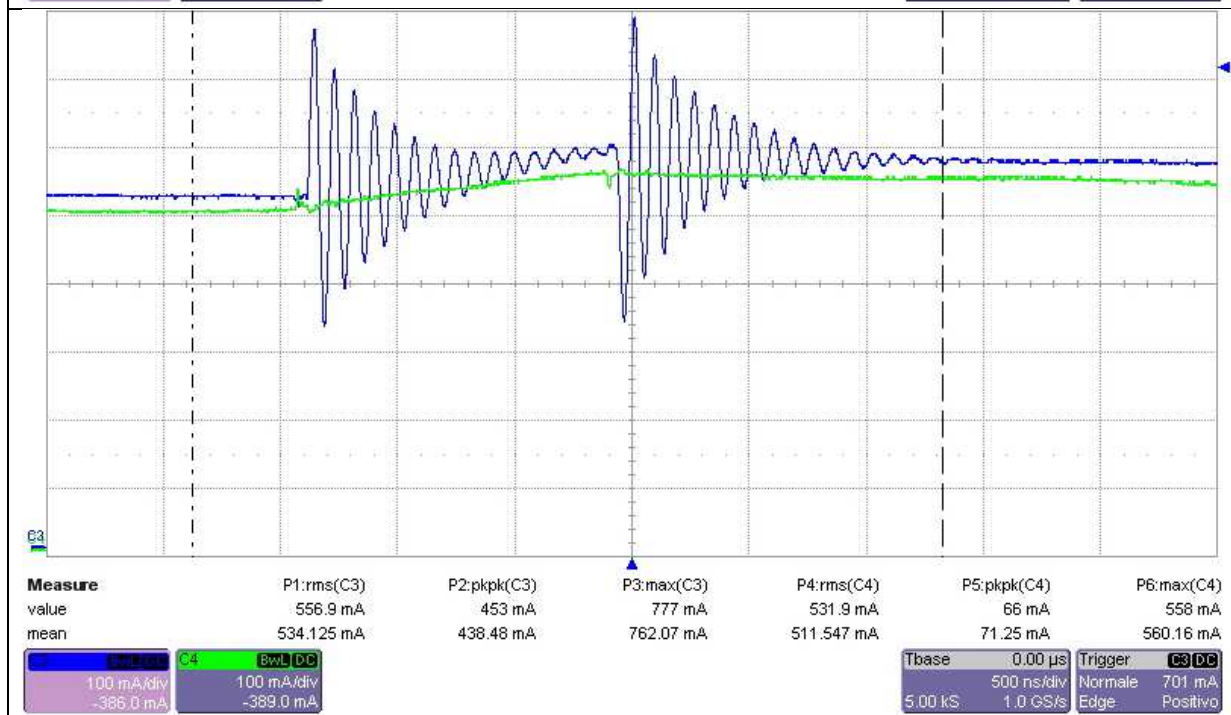


Test 4A

Cablaggio lungo, fili raggruppati e inguainati + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 309mA

Test 4A

Long harness with grouped wires + board 5771 + CH1 ON => pkpk Current overshoot on CH1 = 309mA

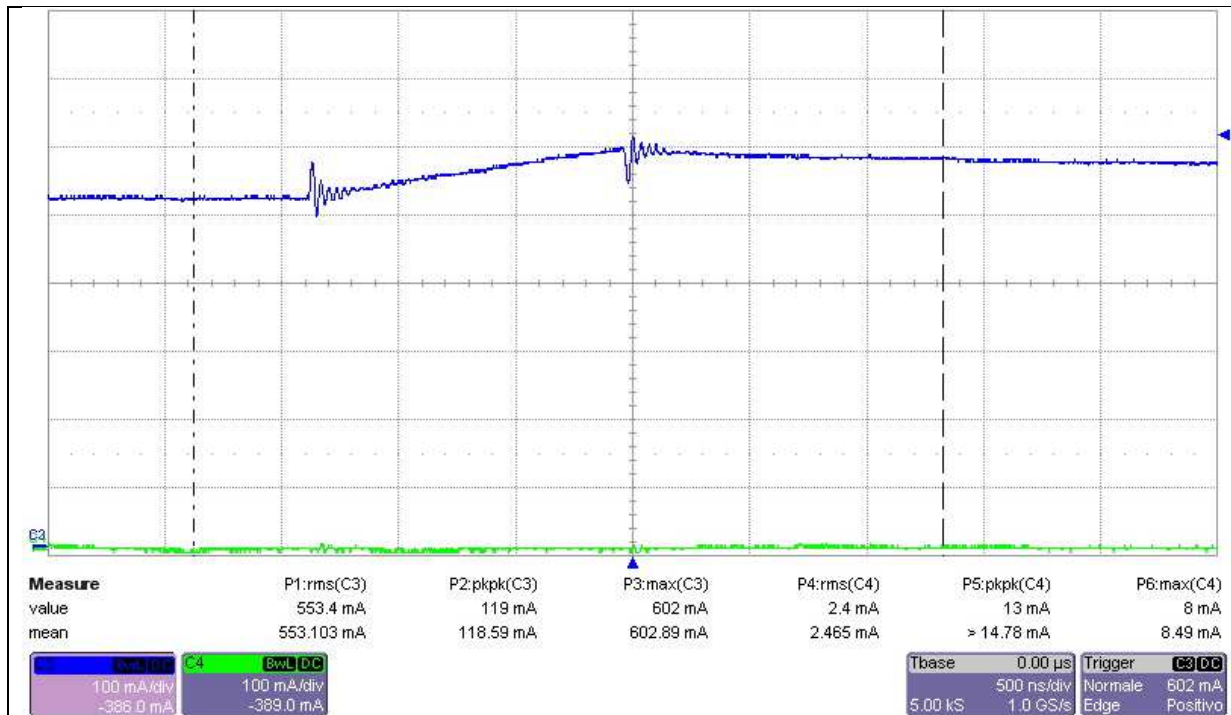


Test 4B

Cablaggio lungo, fili raggruppati e inguainati + sk 5771 + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 438mA

Test 4B

Long harness with grouped wires + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 438mA

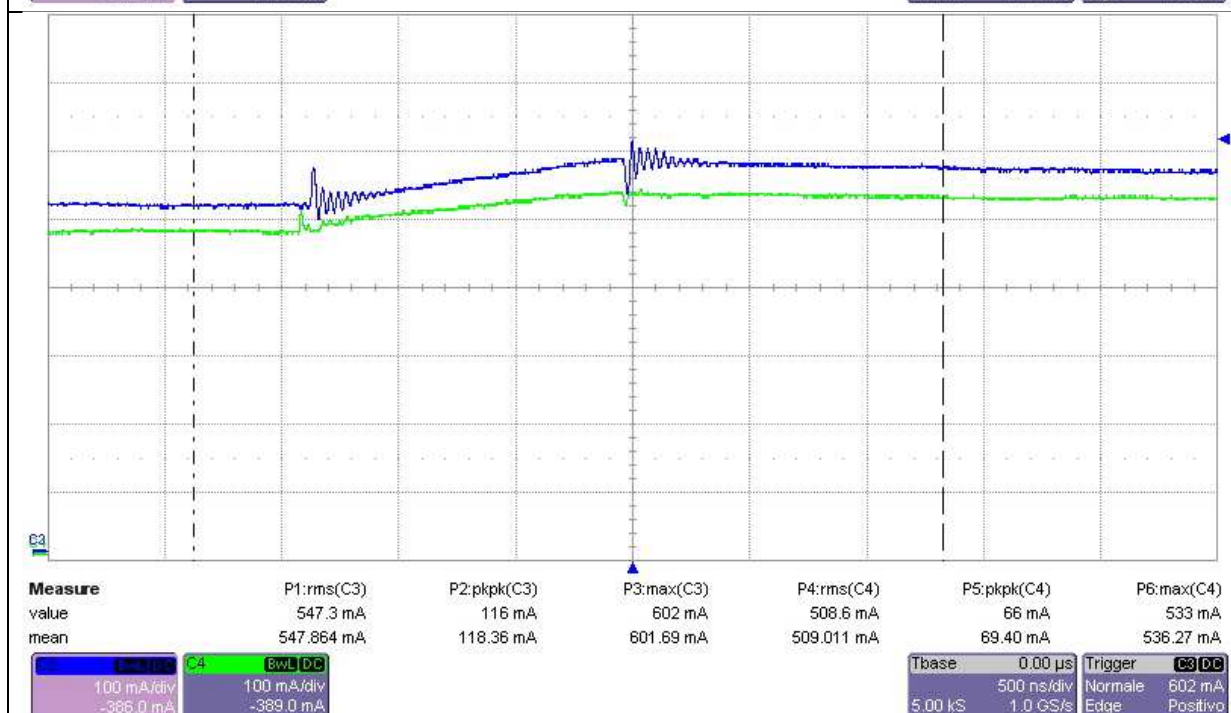


Test 5A

Cablaggio lungo, fili twistati e coppie separate + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 118mA

Test 5A

Long harness with separate twisted pairs + board 5771 + CH1 ON => pkpk Current overshoot on CH1 = 118mA

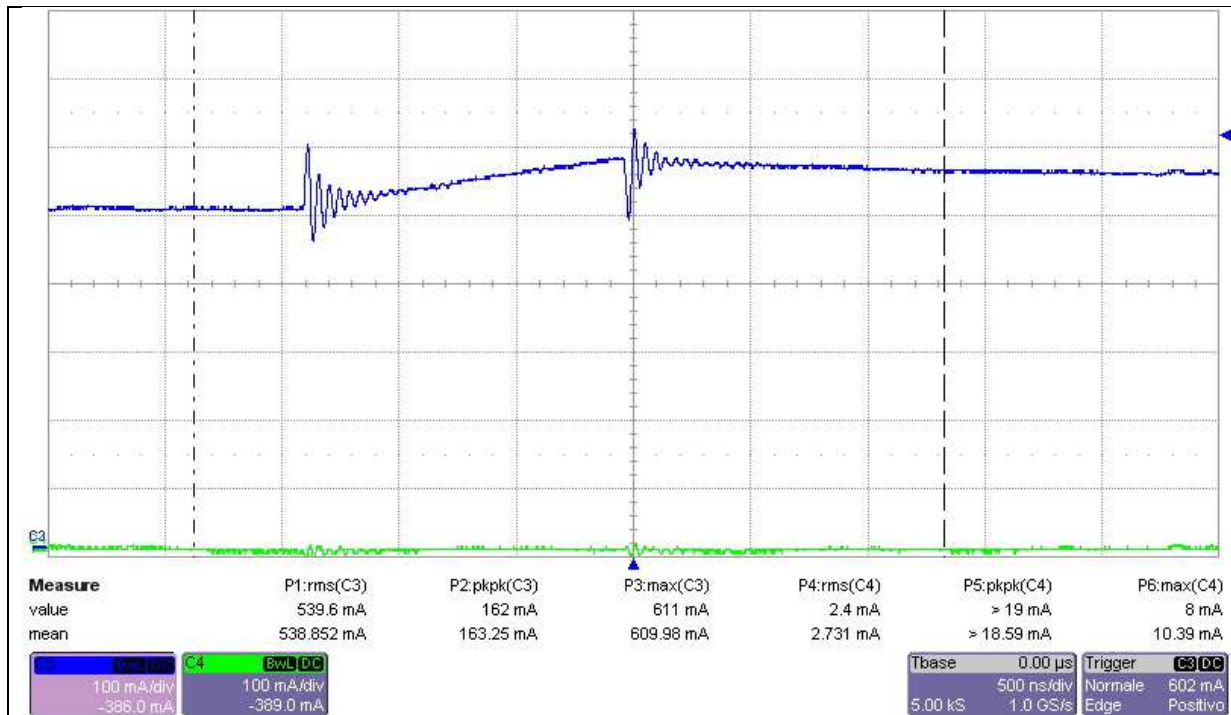


Test 5B

Cablaggio lungo, fili twistati e coppie separate + sk 5771 + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 118mA

Test 5B

Long harness with separate twisted pairs + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 118mA

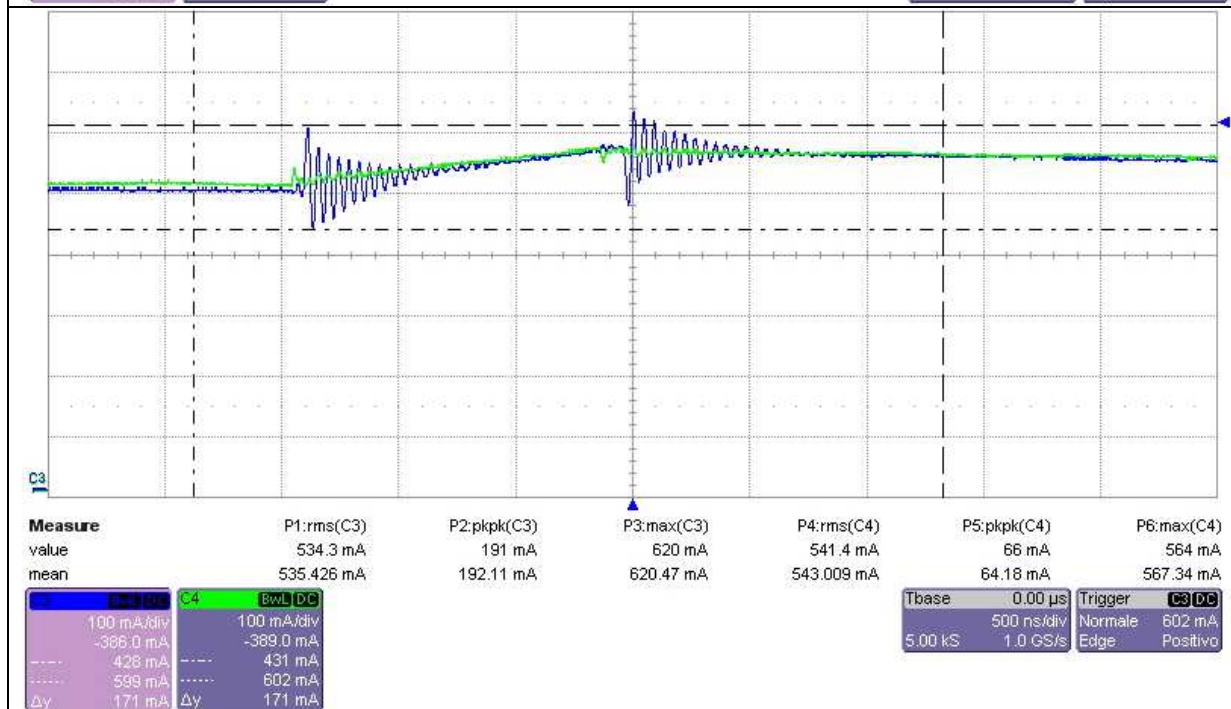


Test 6A

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 + CH1 ON => overshoot corrente CH1 pkpk = 163mA

Test 6A

Long harness with grouped twisted pairs + board 5771 + CH1 ON => pkpk Current overshoot on CH1 = 163mA

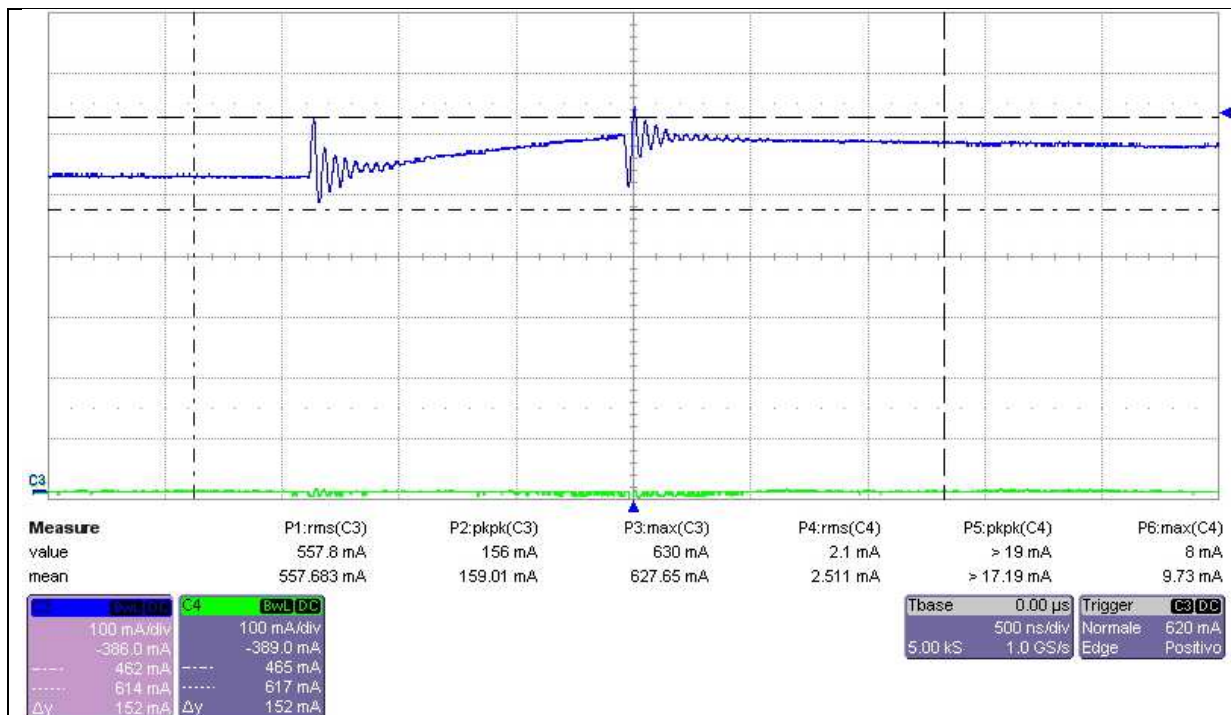


Test 6B

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 192mA

Test 6B

Long harness with grouped twisted pairs + board 5771 + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 192mA

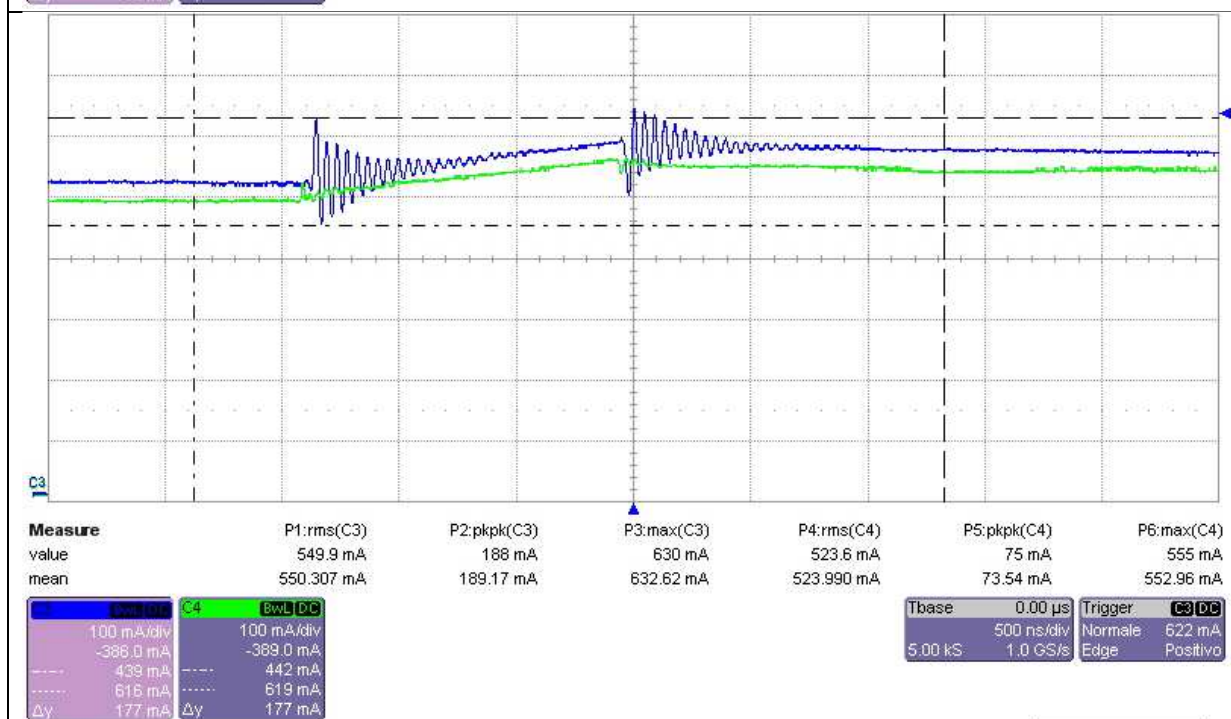


Test 7A

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con induttanze allontanate 2cm dal cs + CH1 ON=> overshoot corrente CH1 pkpk = 159mA

Test 7A

Long harness with grouped twisted pairs + board 5771 with coils separated (25mm) from PCB + CH1 ON => pkpk Current overshoot on CH1 = 159mA

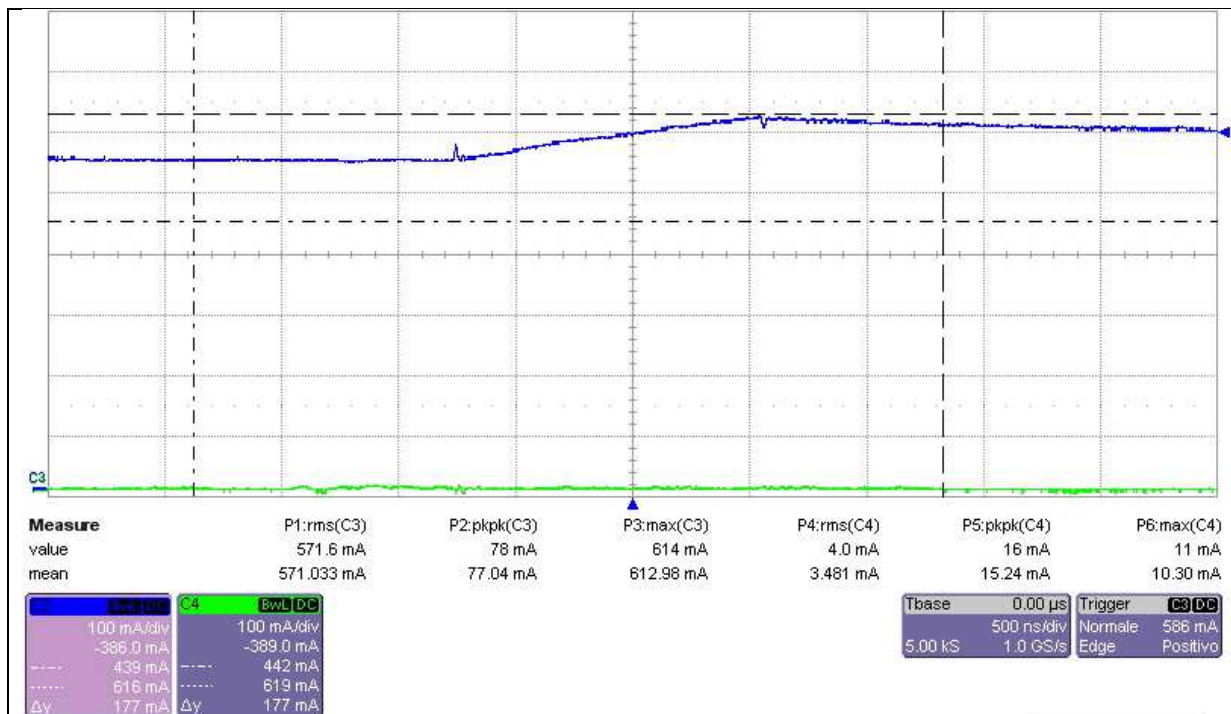


Test 7B

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con induttanze allontanate 2cm dal cs + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 189mA

Test 7B

Long harness with grouped twisted pairs + board 5771 with coils separated (25mm) from PCB + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 189mA

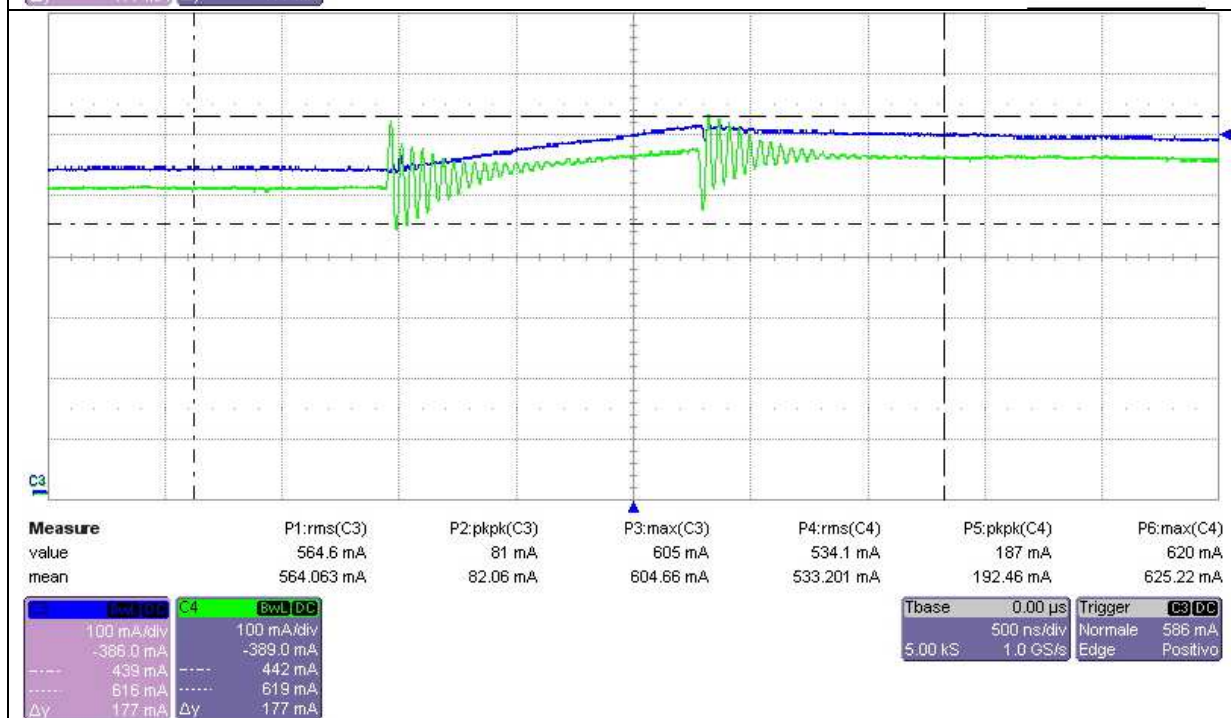


Test 8A

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con induttanze allontanate 2cm dal cs E con canali scambiati + CH1 ON => overshoot corrente CH1 pkpk = 77mA

Test 8A

Long harness with grouped twisted pairs + board 5771 with coils separated (25mm) from PCB and harness between DRV8412 board and PCBA 5771 with inverted wires + CH1 ON => pkpk Current overshoot on CH1 = 77mA

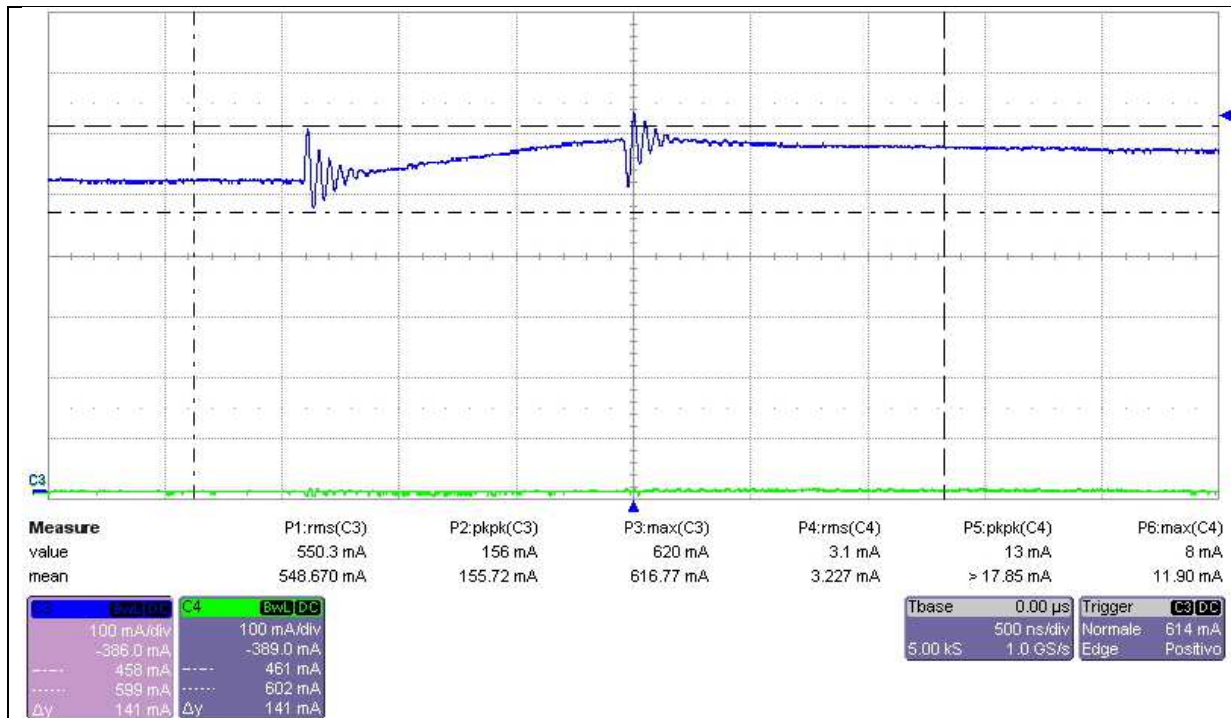


Test 8B

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con induttanze allontanate 2cm dal cs E con canali scambiati + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 82mA. overshoot corrente CH2 pkpk = 192mA. Il problema si sposta sul ponte CD (o canale 2).

Test 8B

Long harness with grouped twisted pairs + board 5771 with coils separated (25mm) from PCB and harness between DRV8412 board and PCBA 5771 with inverted wires + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 82mA pkpk Current overshoot on CH2 = 192mA The problem has moved from bridge AB to bridge DC (channel 2)

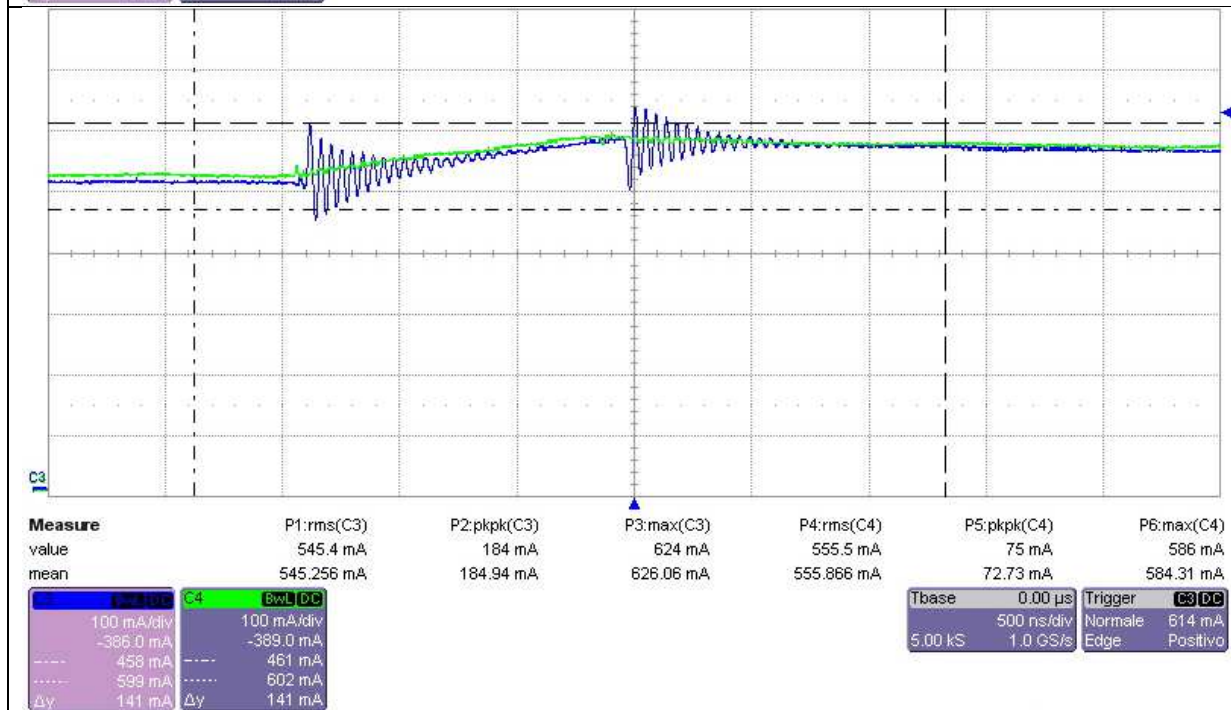


TEST 9A

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con cablaggio (tra sk 5755A e sk 5771) con coppie twistate + CH1 ON => overshoot corrente CH1 pkpk = 155mA

TEST 9A

Long harness with grouped twisted pairs + board 5771 with harness between DRV8412 board and PCBA 5771 with twisted pairs + CH1 ON => pkpk Current overshoot on CH1 = 155mA



Test 9B

Cablaggio lungo, fili twistati e coppie raggruppate + sk 5771 con cablaggio (tra sk 5755A e sk 5771) con coppie twistate + CH1 ON + CH2 ON => overshoot corrente CH1 pkpk = 185mA

TEST 9B

Long harness with grouped twisted pairs + board 5771 with harness between DRV8412 board and PCBA 5771 with twisted pairs + CH1 and CH2 ON => pkpk Current overshoot on CH1 = 185mA

