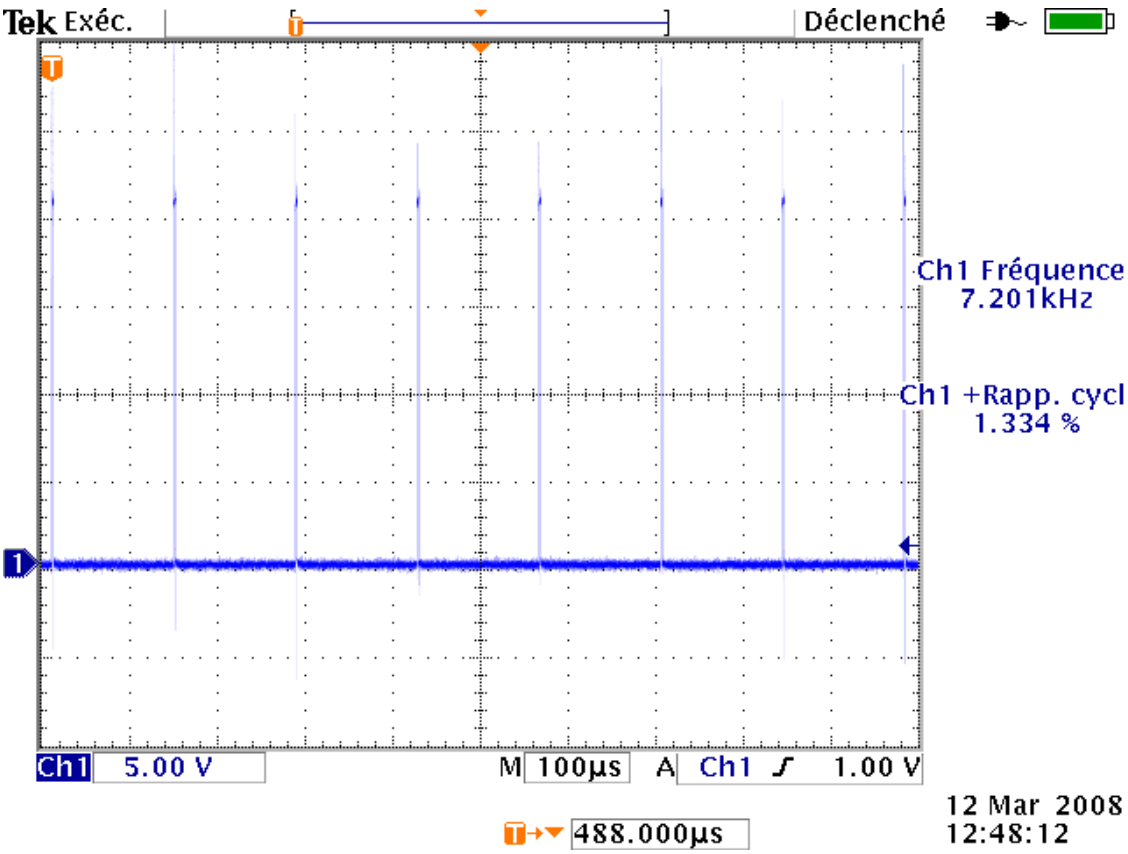
Motor power: performance measurement

All frequency measurements has been made without clamping the timer OCR value.

Frequency measurement

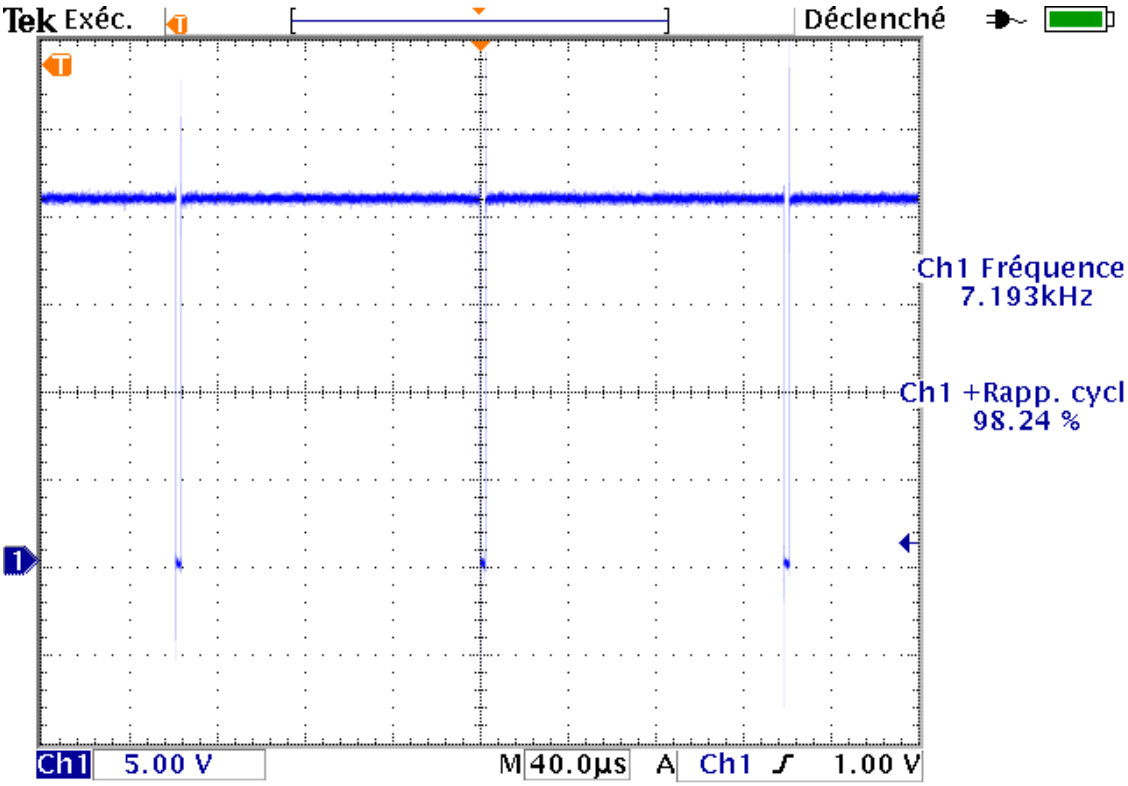
7.2 KHz +/- 1%

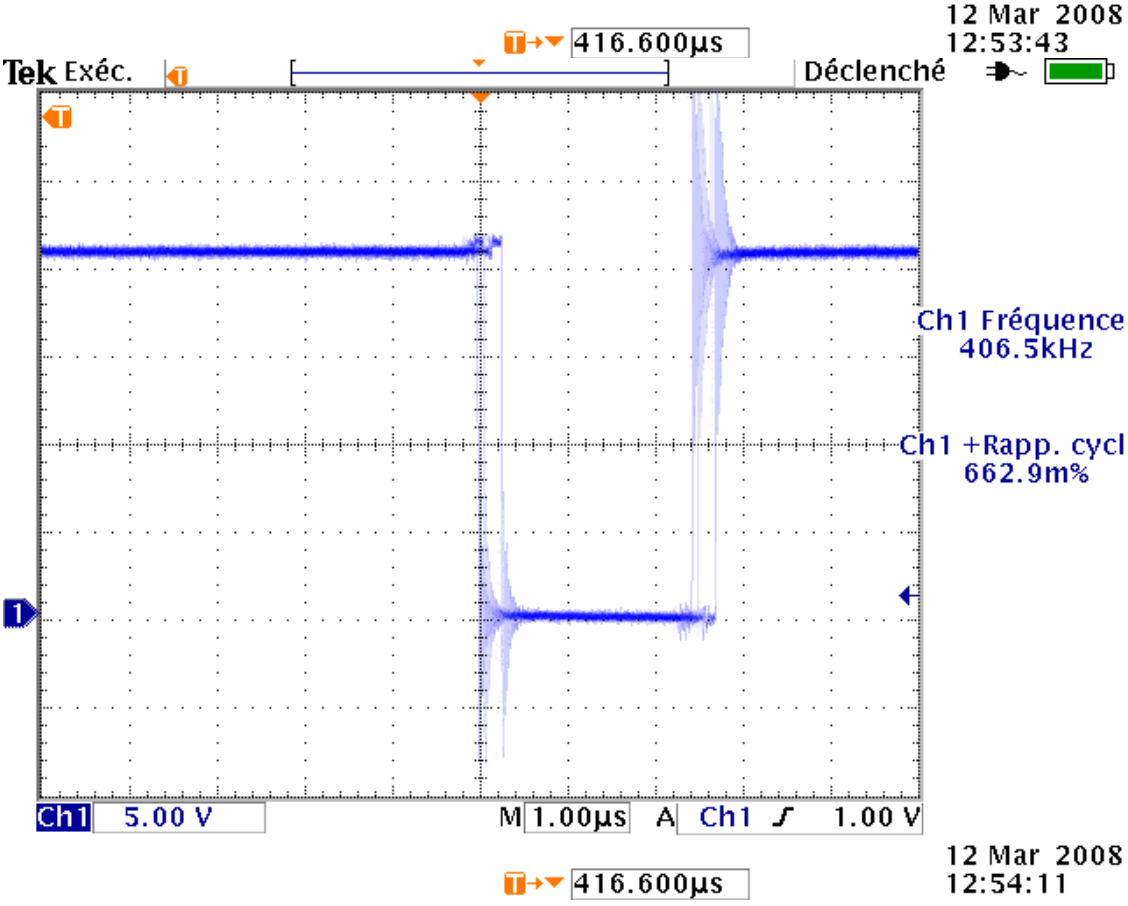
Minimum PWM



Minimum duty cycle: 1.4%
Minimum pulse width: 2µs

Maximum PWM

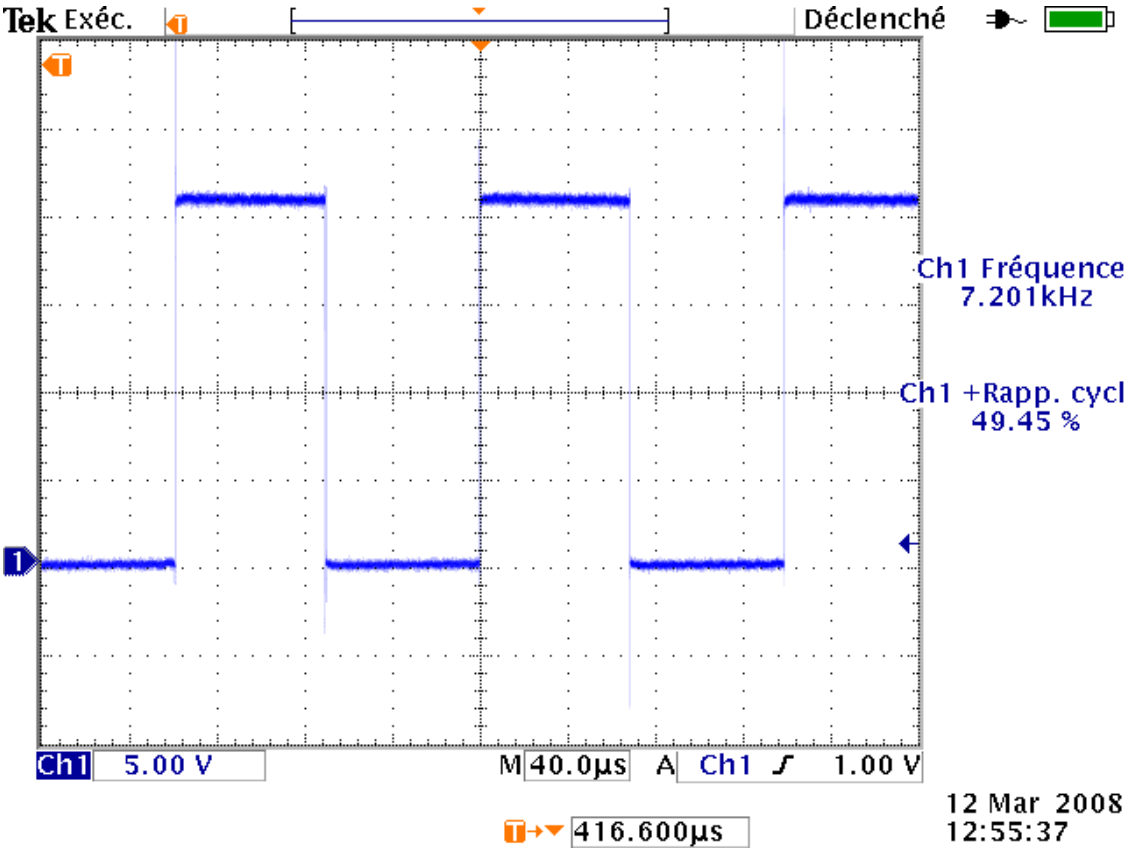

Tek Exéc.
Déclenché
Ch1 Fréquence
7.193kHz
Ch1 +Rapp. cycl
98.24 %
Ch1 5.00 V
M 40.0µs A Ch1 1.00 V
12 Mar 2008
12:53:43


416.600µs
Tek Exéc.
Déclenché
Ch1 Fréquence
406.5kHz
Ch1 +Rapp. cycl
662.9m%
Ch1 5.00 V
M 1.00µs A Ch1 1.00 V
416.600µs
12 Mar 2008
12:54:11

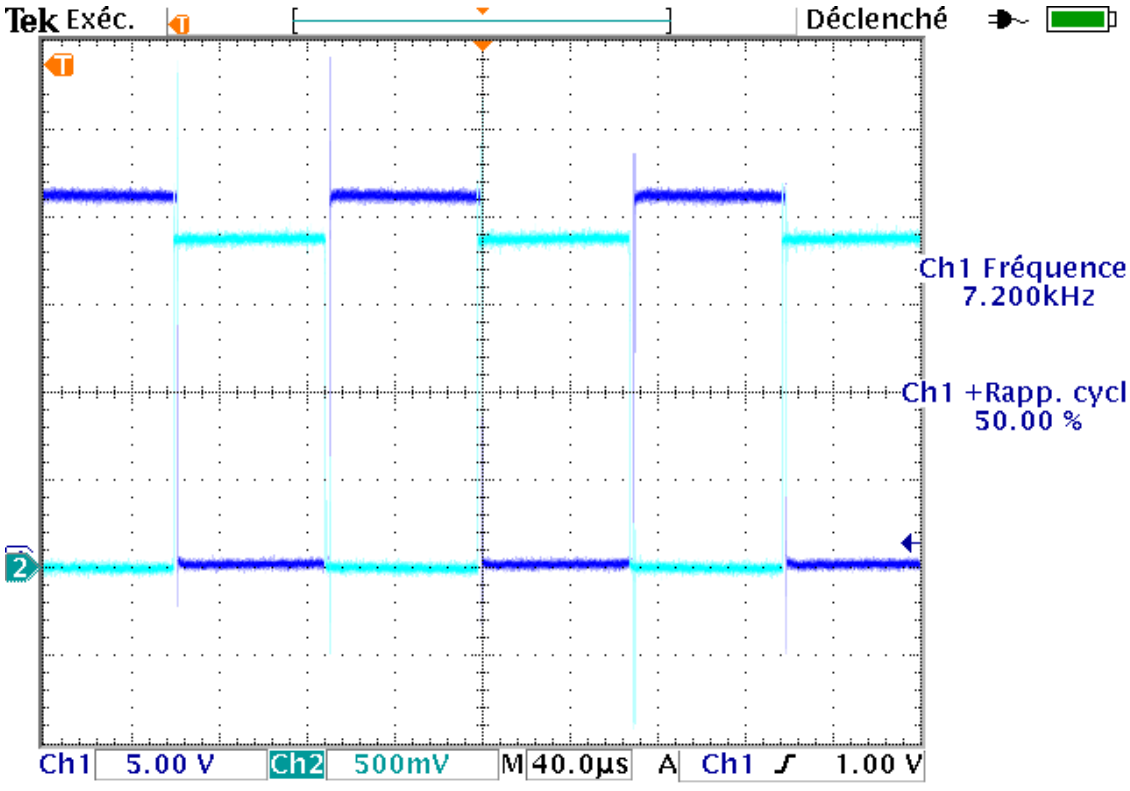
Maximum duty cycle: 98%
Minimum lower pulse width: 2.5µs

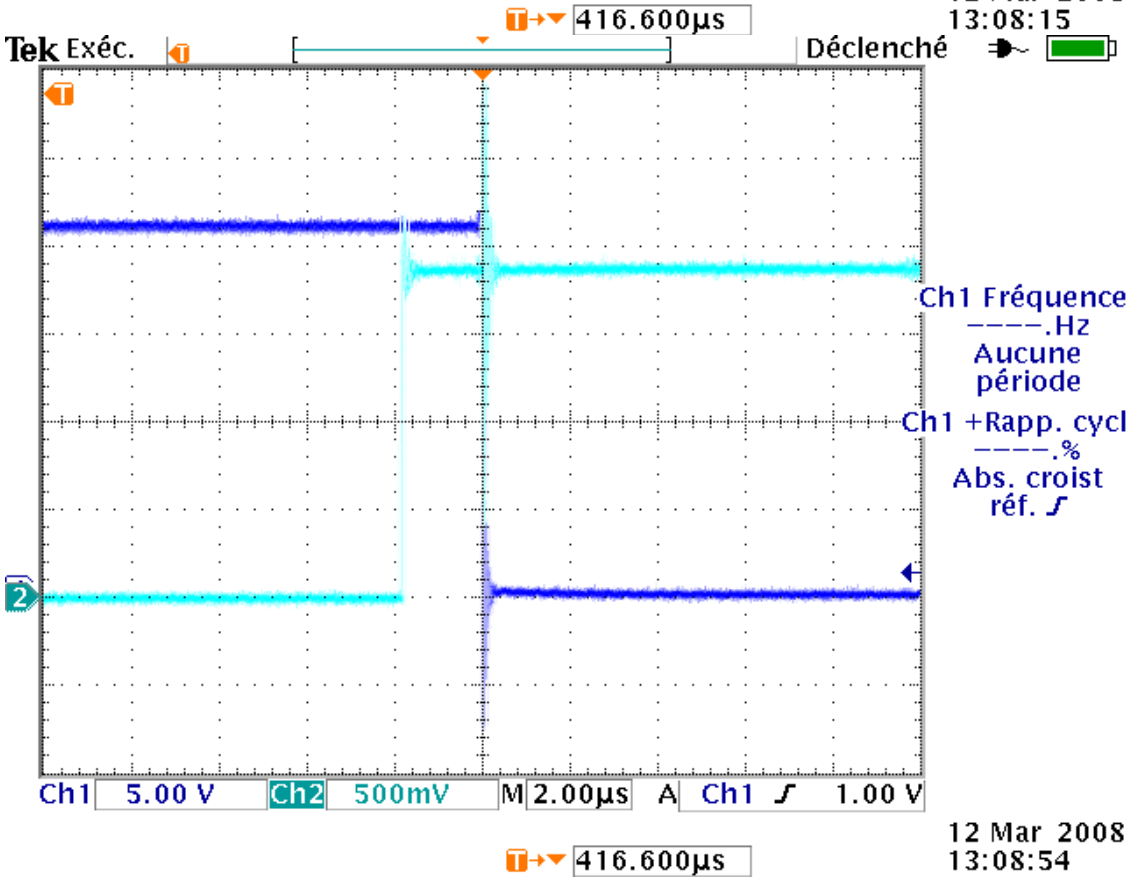
50% Duty Cycle

One output



Both outputs


Tek Exéc.
Déclenché
Ch1 Fréquence
7.200kHz
Ch1 +Rapp. cycl
50.00 %
Ch1 5.00 V Ch2 500mV M 40.0µs A Ch1 1.00 V
12 Mar 2008
13:08:15


416.600µs
Tek Exéc.
Déclenché
Ch1 Fréquence
----.Hz
Aucune
période
Ch1 +Rapp. cycl
----.%
Abs. croist
réf.
Ch1 5.00 V Ch2 500mV M 2.00µs A Ch1 1.00 V
416.600µs
12 Mar 2008
13:08:54