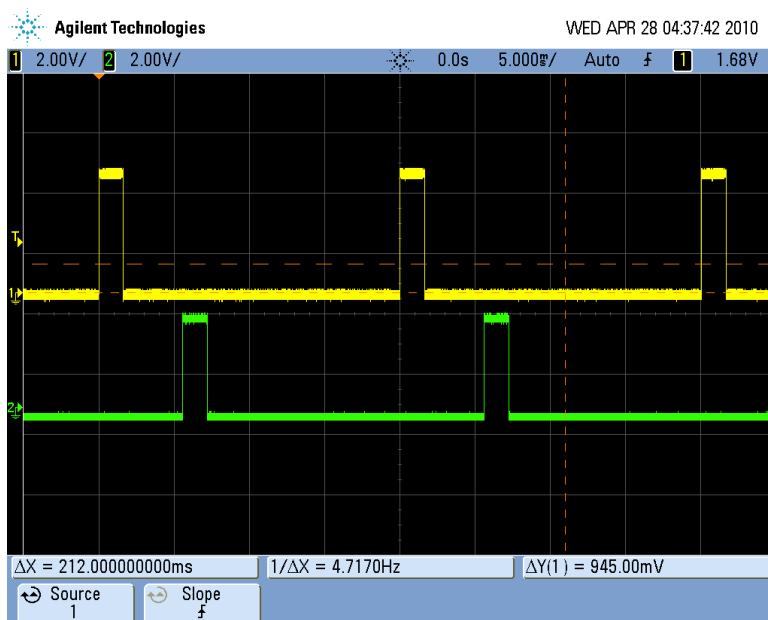
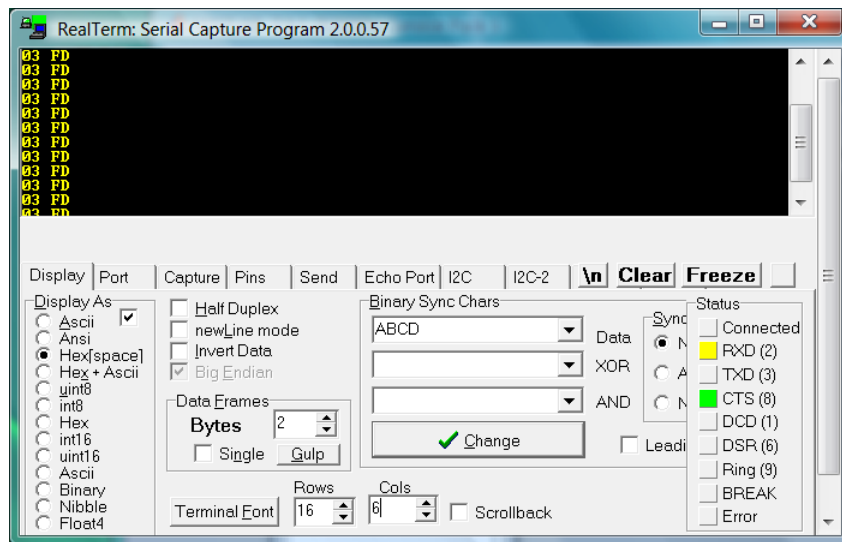


50Hz PWM signal from radio control car receiver is connected to dpPIC33 IC2 pin



Yellow: source Green: reproduced with output compare



UART data 03FD hex = 1021 decimal

IC2max is 12499

$1021 / 12499 = 0.0817$  i.e. 8% duty cycle—matches oscilloscope

Note IC2 max = OC2 max in Matlab Workspace