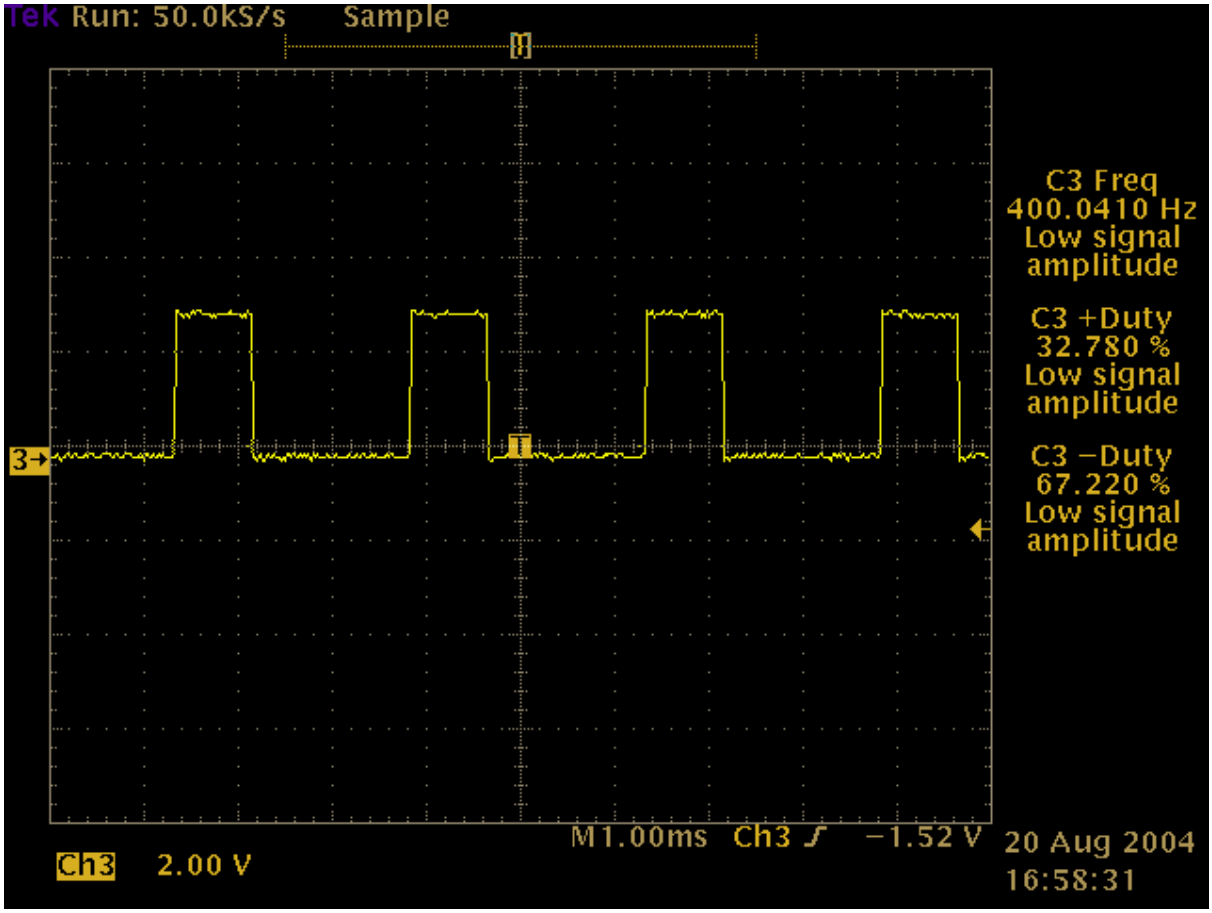
Average Value Computation with Duty Cycle Correction



HIGH indicates receiving (RX – off time) , LOW indicates transmitting (TX – on time)

Period = 2.5ms
On time = 1.6805ms
Off time = 0.8195ms

Duty cycle ratio = on time / (off time + on time) = 67.22% = 0.6722

Duty cycle correction factor = 20 log 0.6722 = -3.45dB

Measured value obtained with following receiver setting:
RBW = 1MHz, VBW = 10Hz

Average result = measured value + duty cycle correction factor