Data of config_g

Experimental Clarification of Coulomb-Field Propagation

Last update of this document: 2016-05-12

Report of the experiment: *coulomb_experiment.html*

Spreadsheed evaluation of the data presented here: *coulomb_experiment.xls* *(config_g)*

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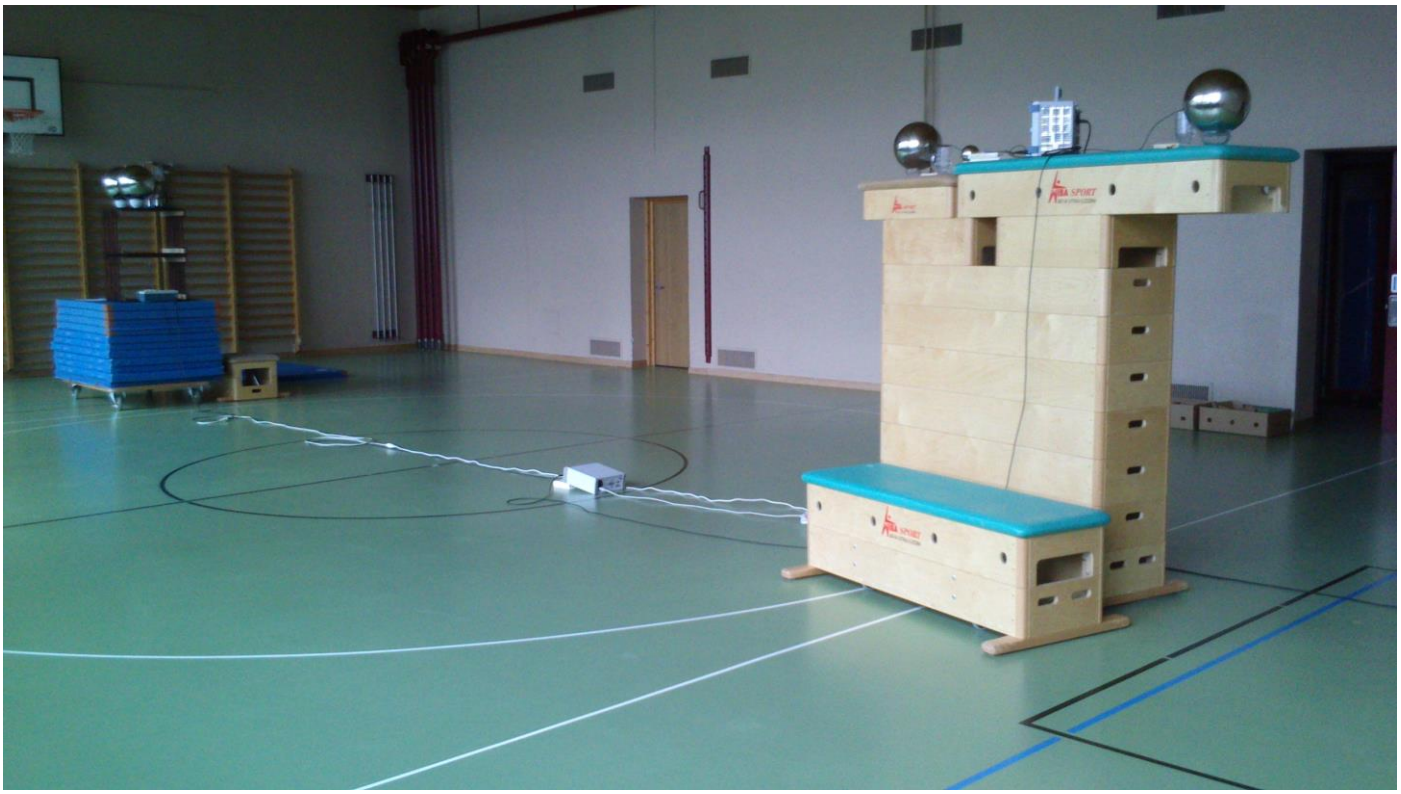
Experimental setup:

Main experiment (dealing with green and red signals of screen-shots from main oscilloscope):

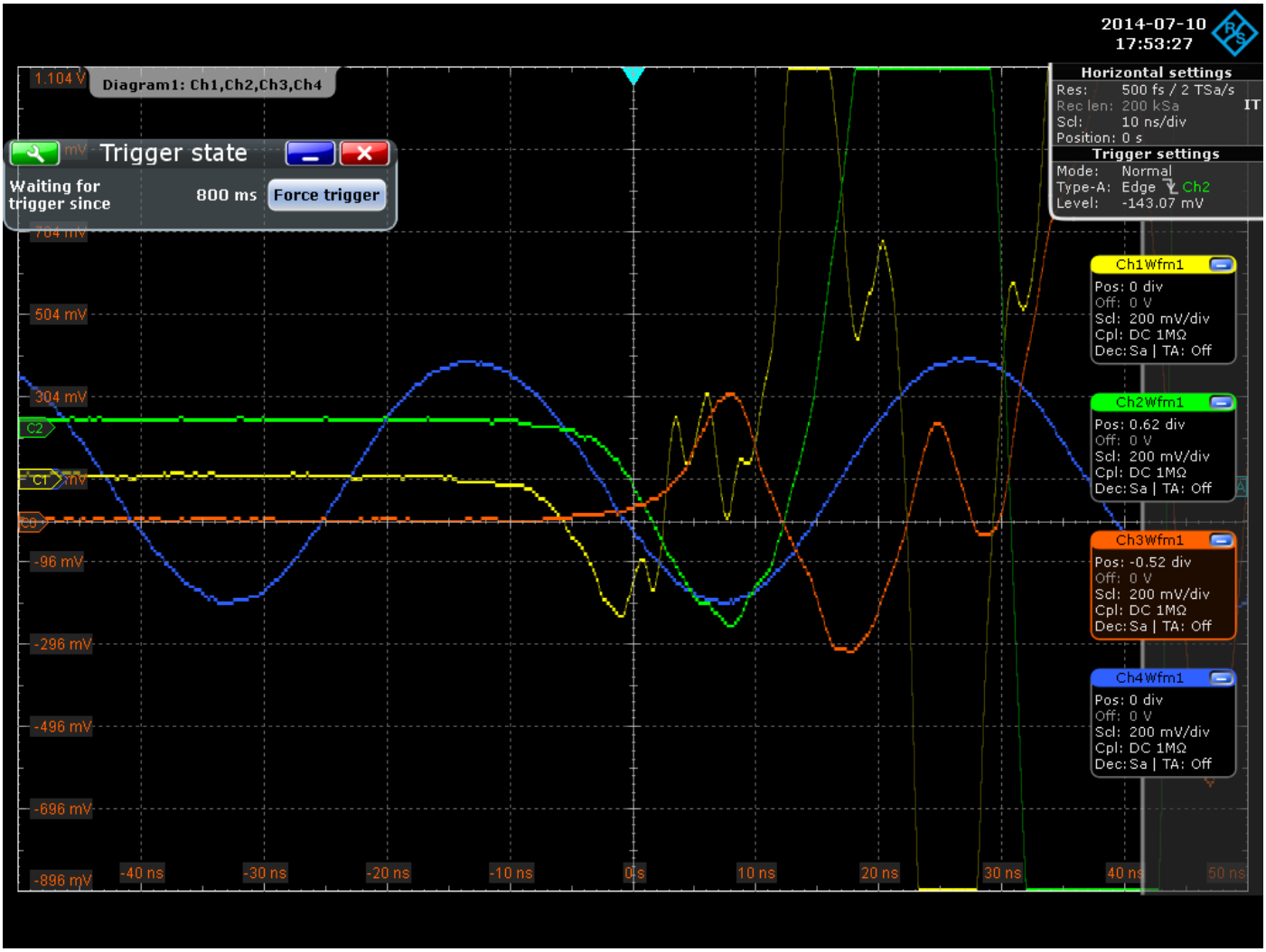
$\Delta x = 1.65$ m (where x_left = 9.35 m and x_right = 11 m) $\rightarrow$ $\Delta t = \Delta x/c = 5.5$ ns

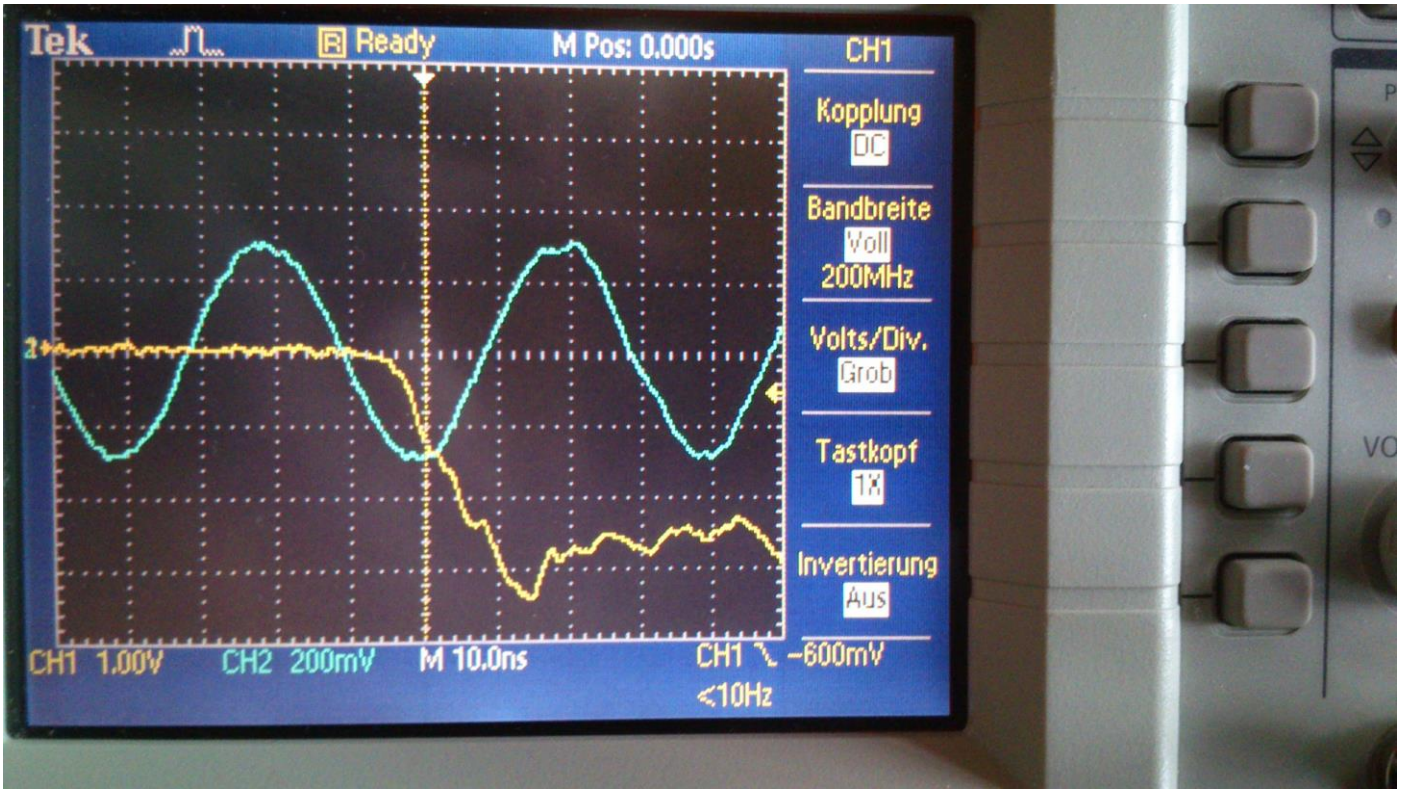
Control experiment (dealing with yellow signals of screenshots from both oscilloscopes, synchronized by blue signals):

$\Delta x = 9$ m (where dist = 0.75 m and x = 9.75 m) $\rightarrow$ $\Delta t = \Delta x/c = 30$ ns



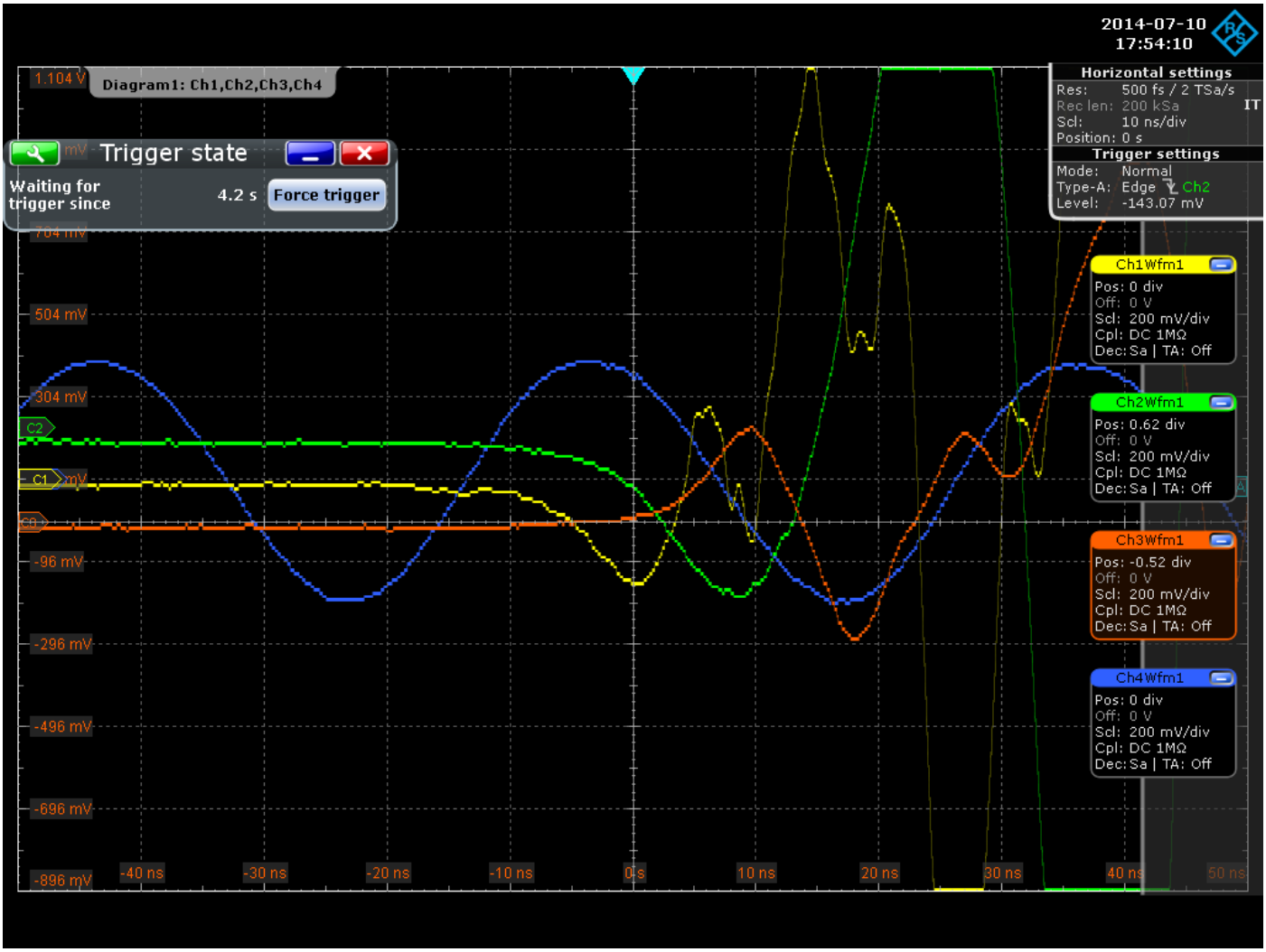
Config_g, measurement 1:

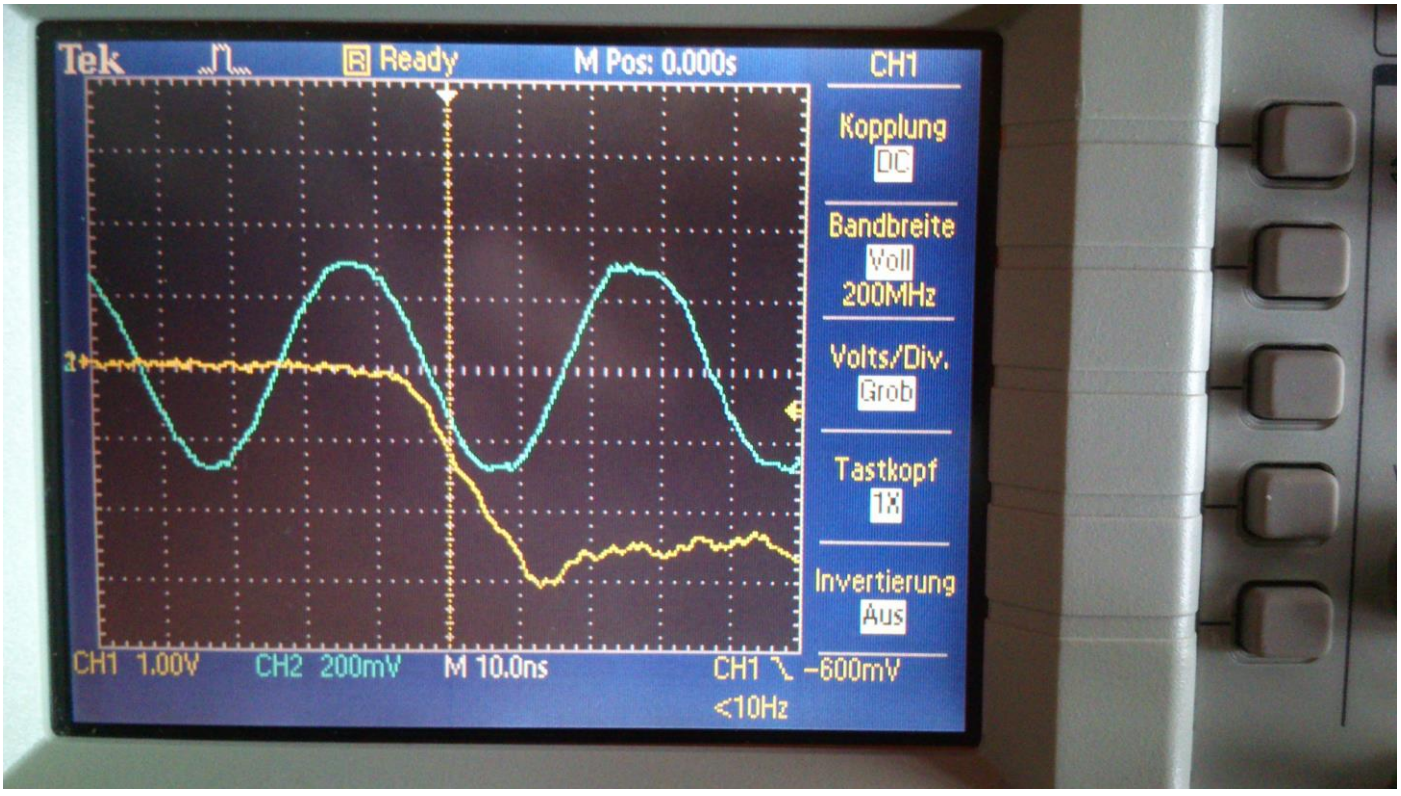




End of config_g, measurement 1

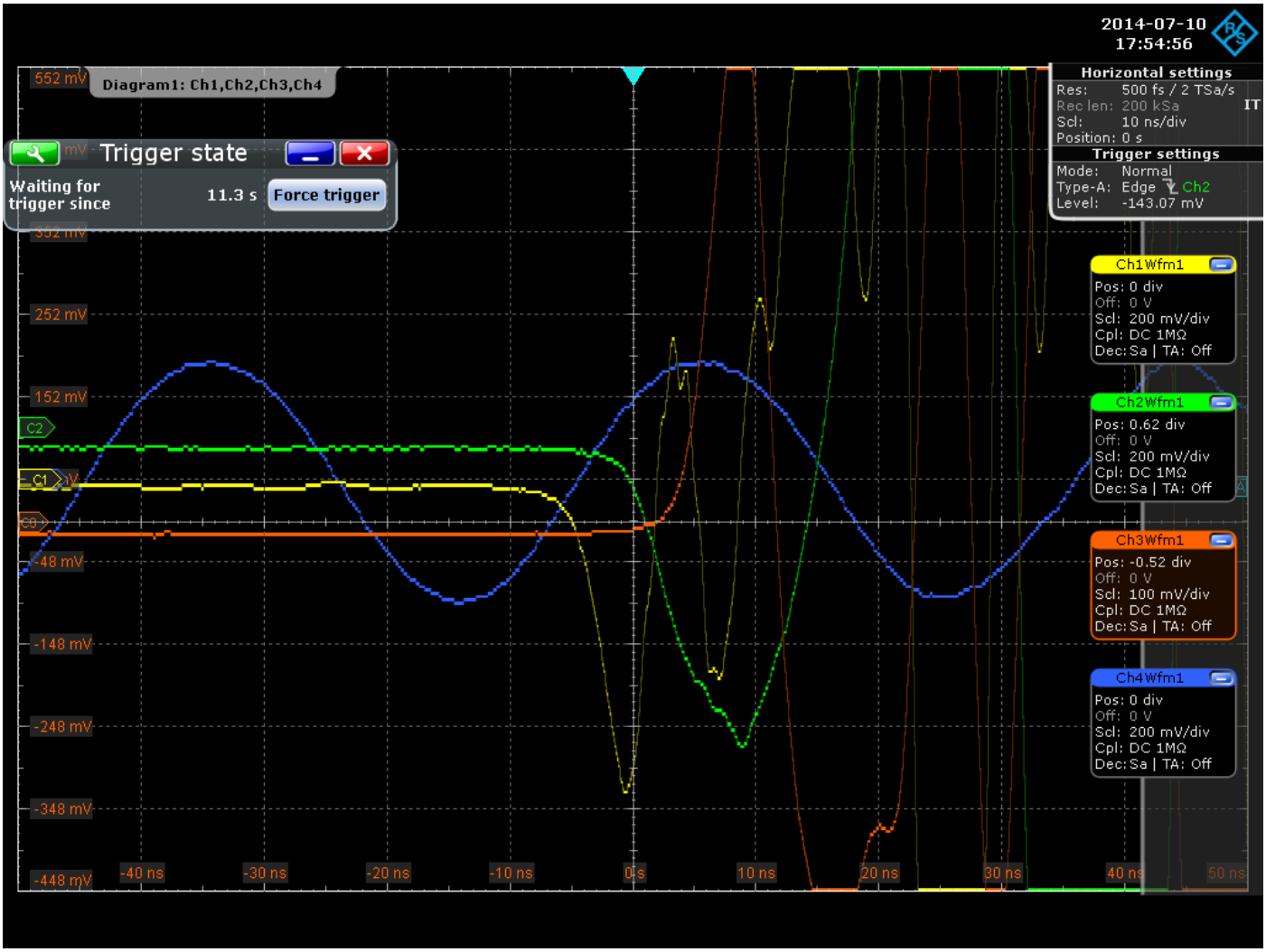
Config_g, measurement 2:

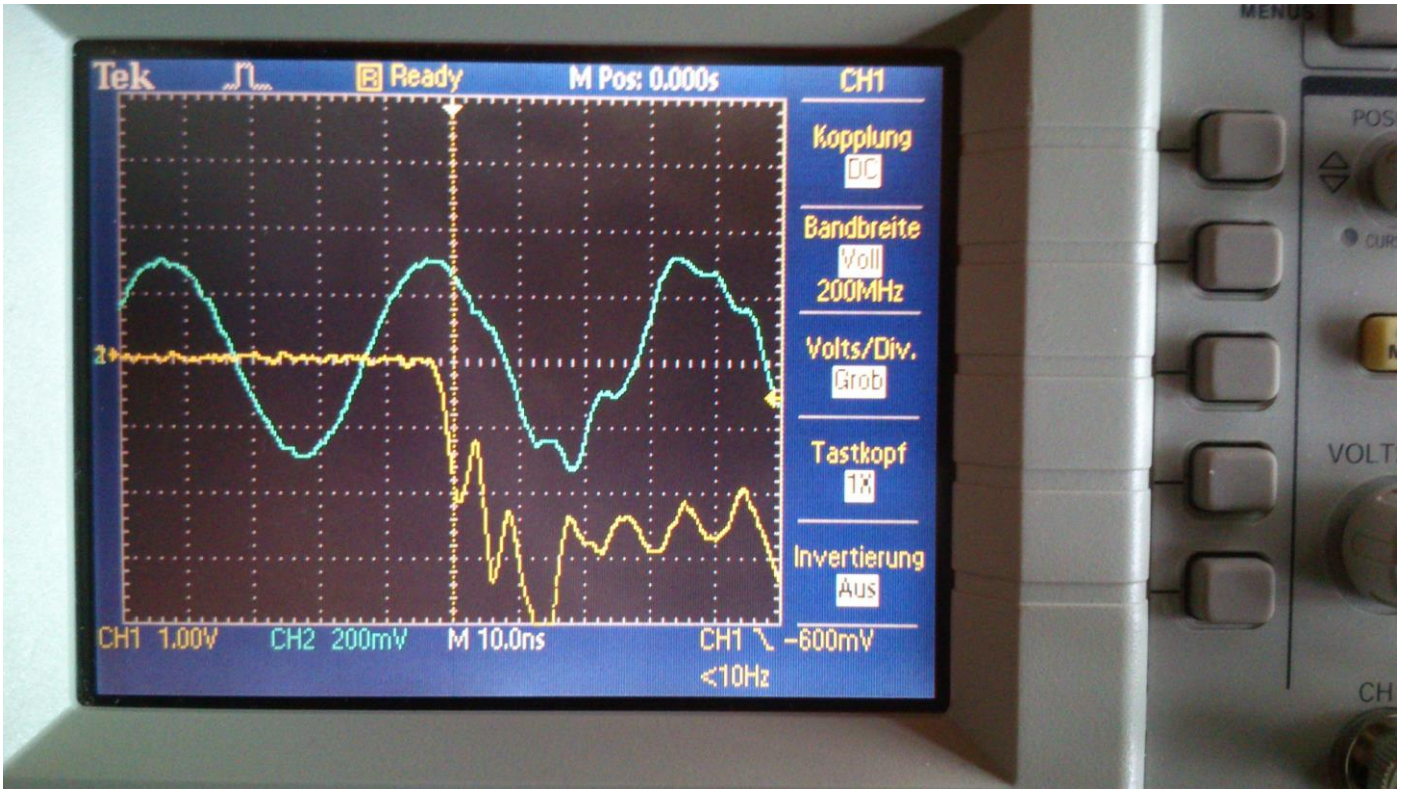




End of config_g, measurement 2

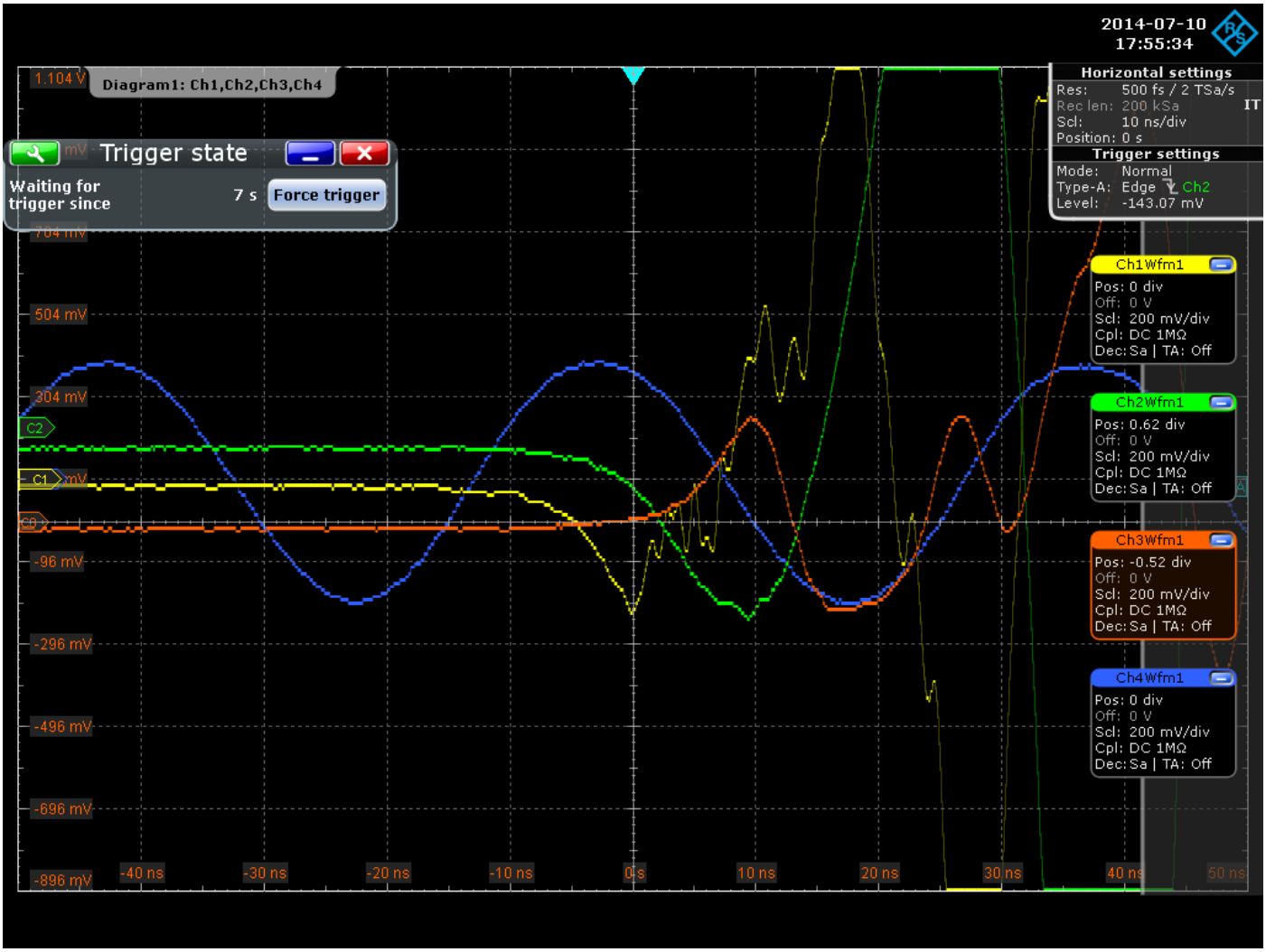
Config_g, measurement 3:

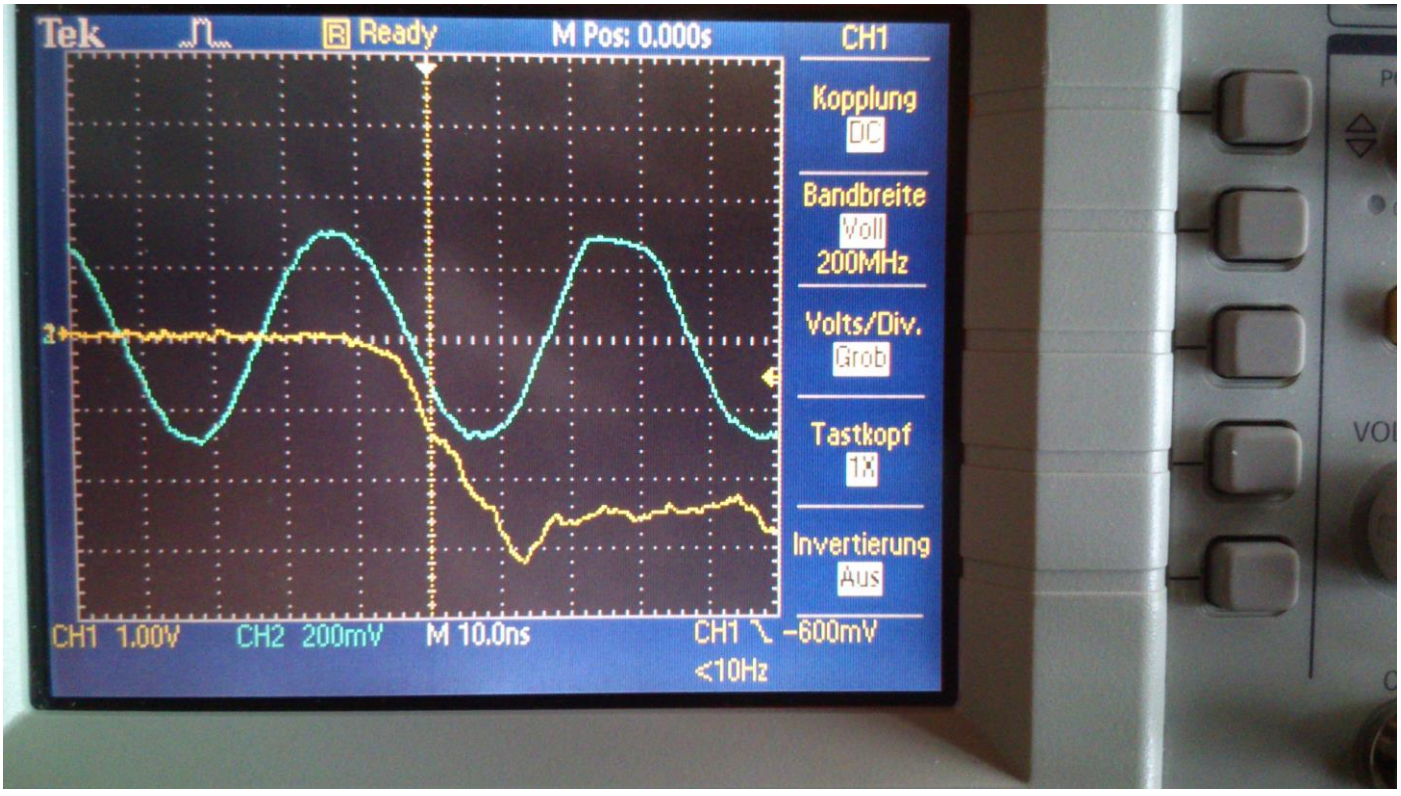




End of config_g, measurement 3

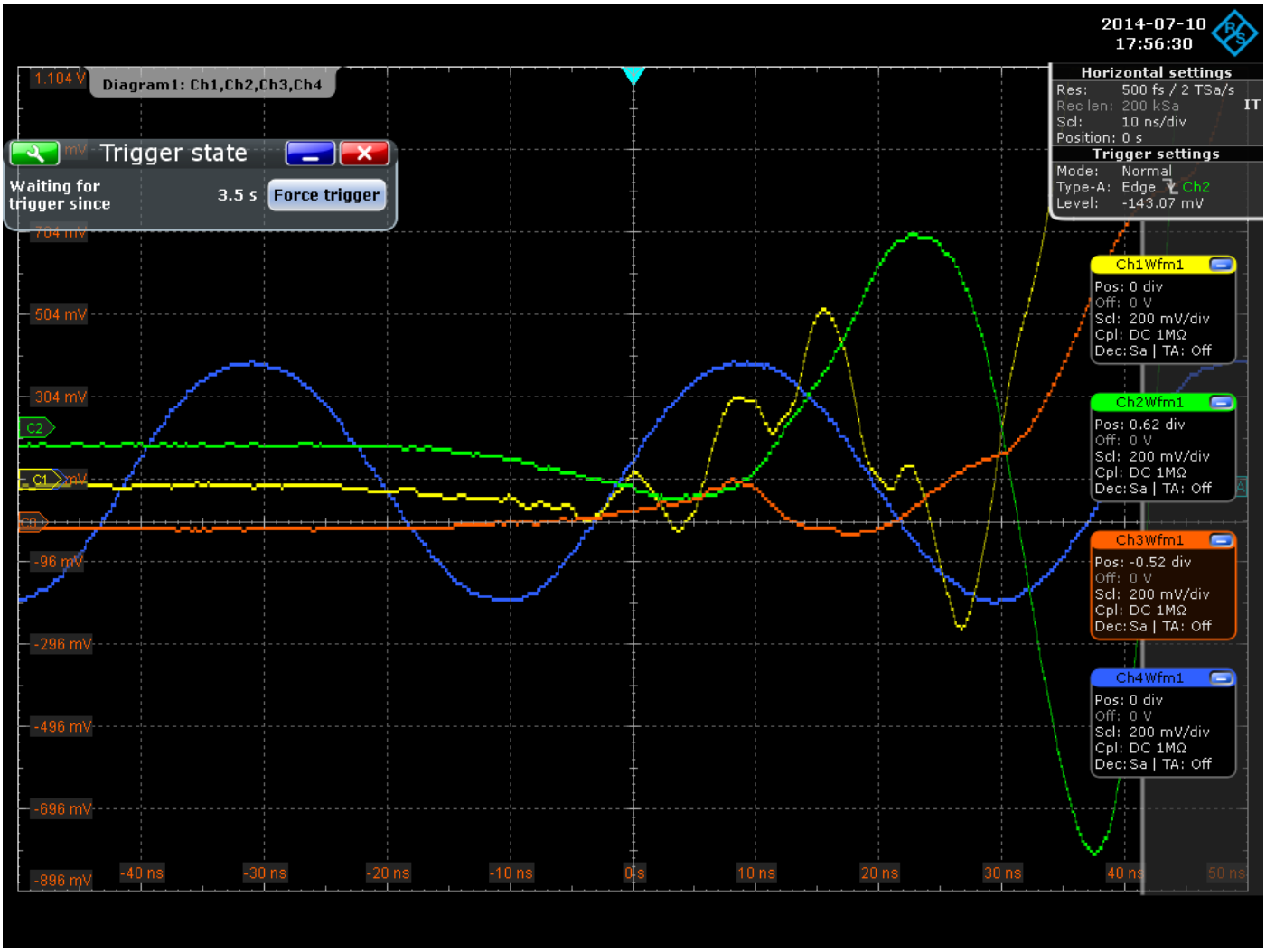
Config_g, measurement 4:

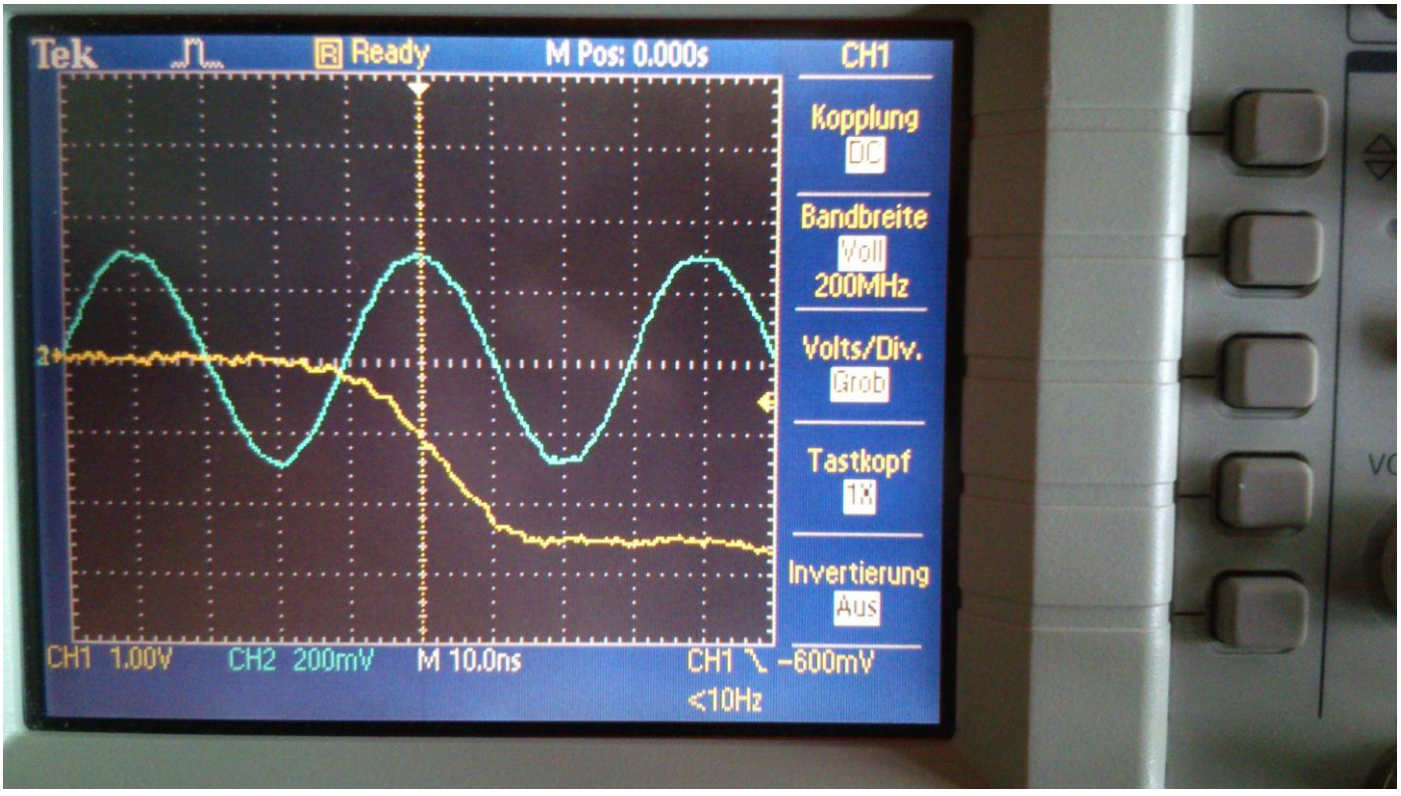




End of config_g, measurement 4

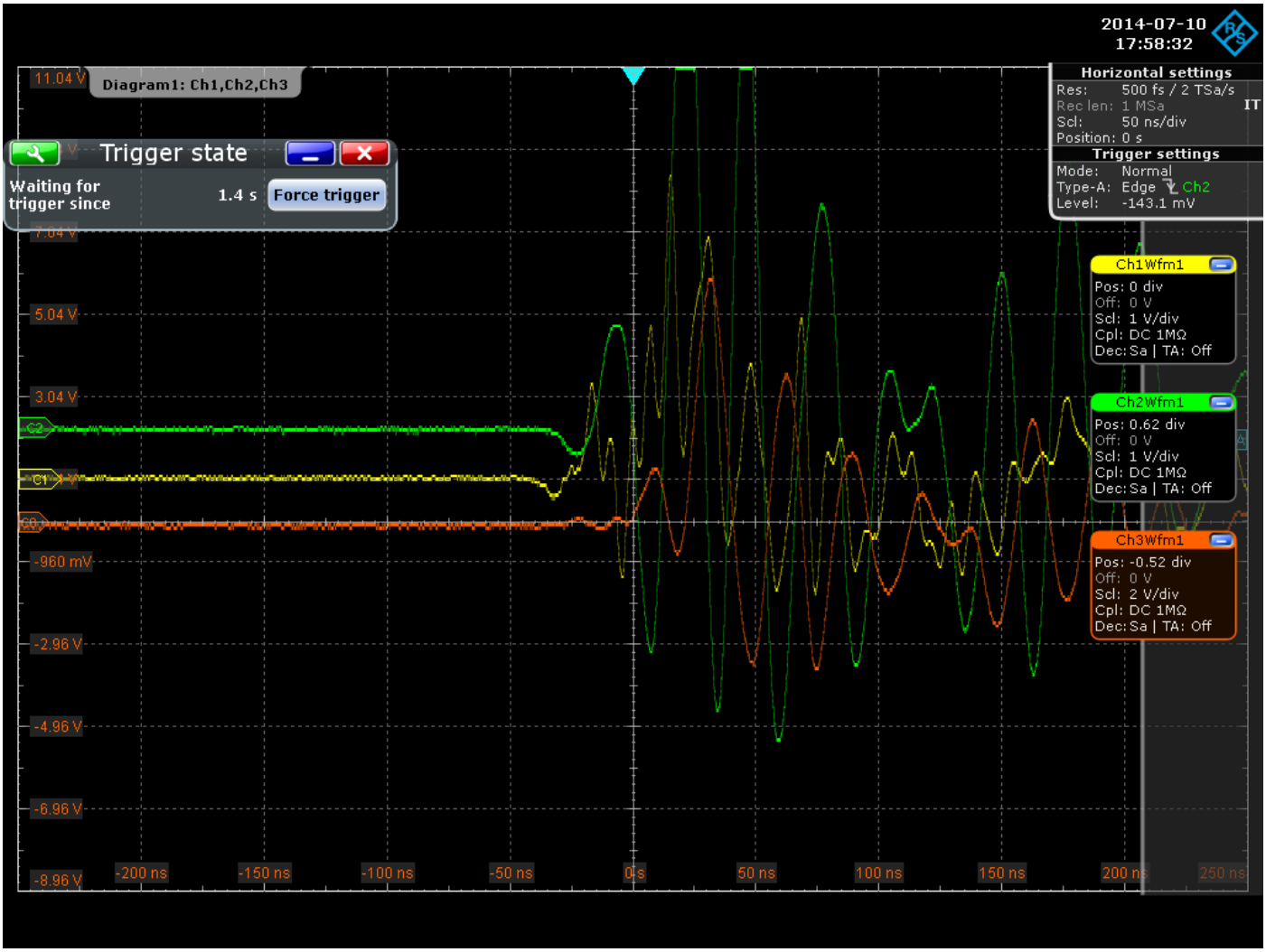
Config_g, measurement 5:

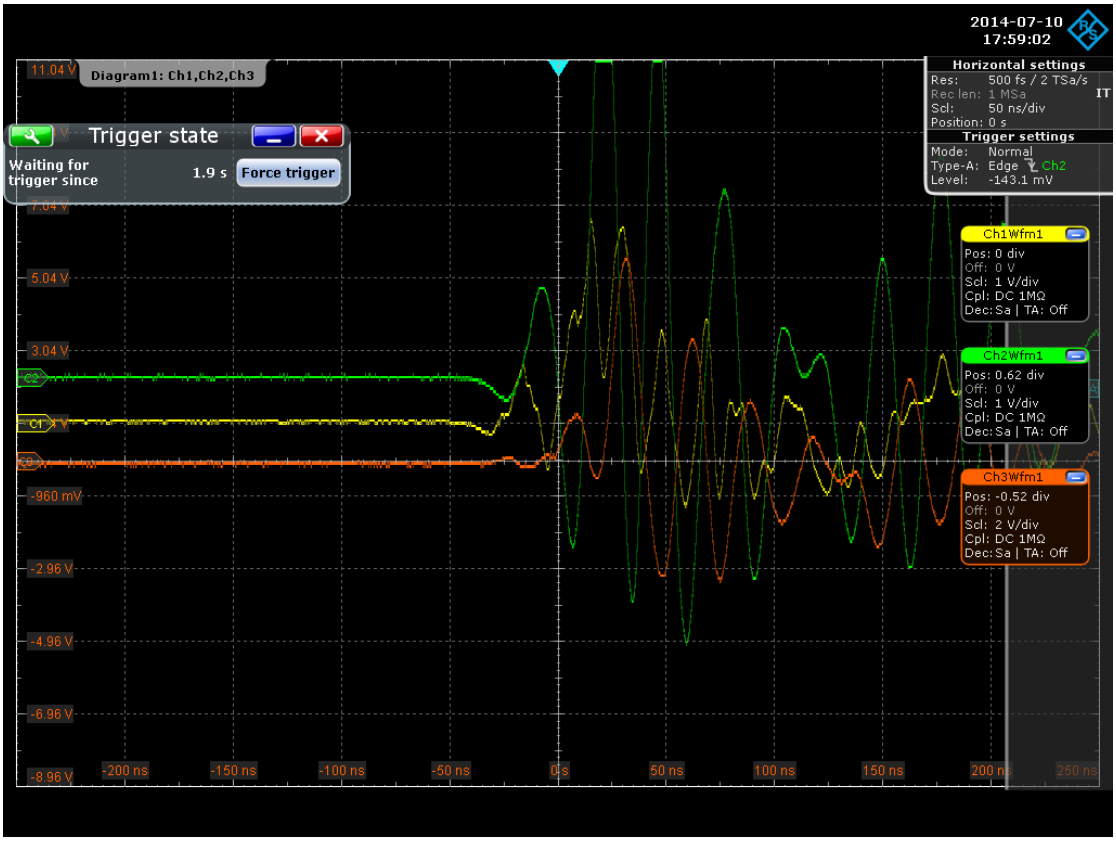




End of config_g, measurement 5

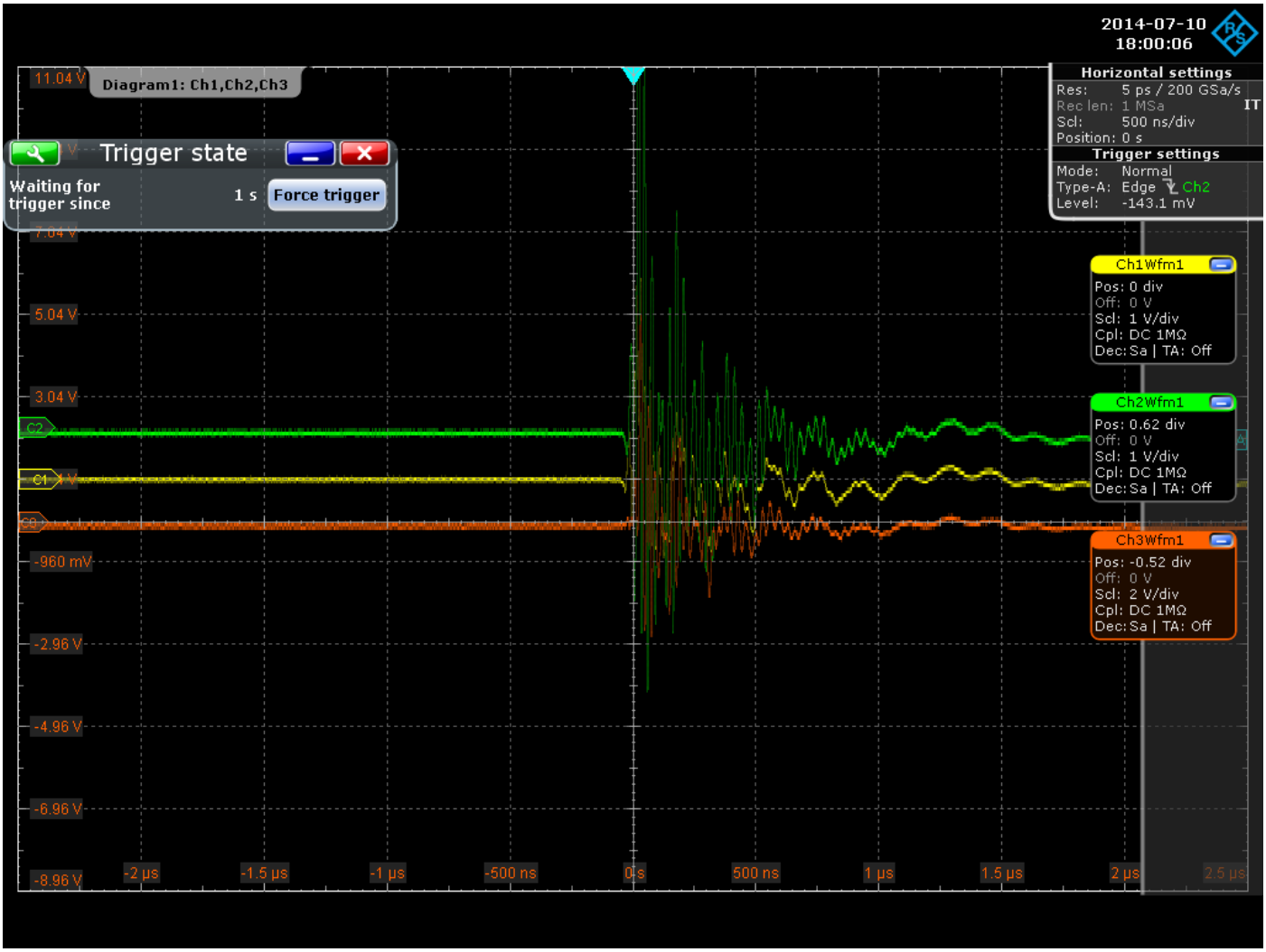
Config_g, further signal-development (50 ns/div):

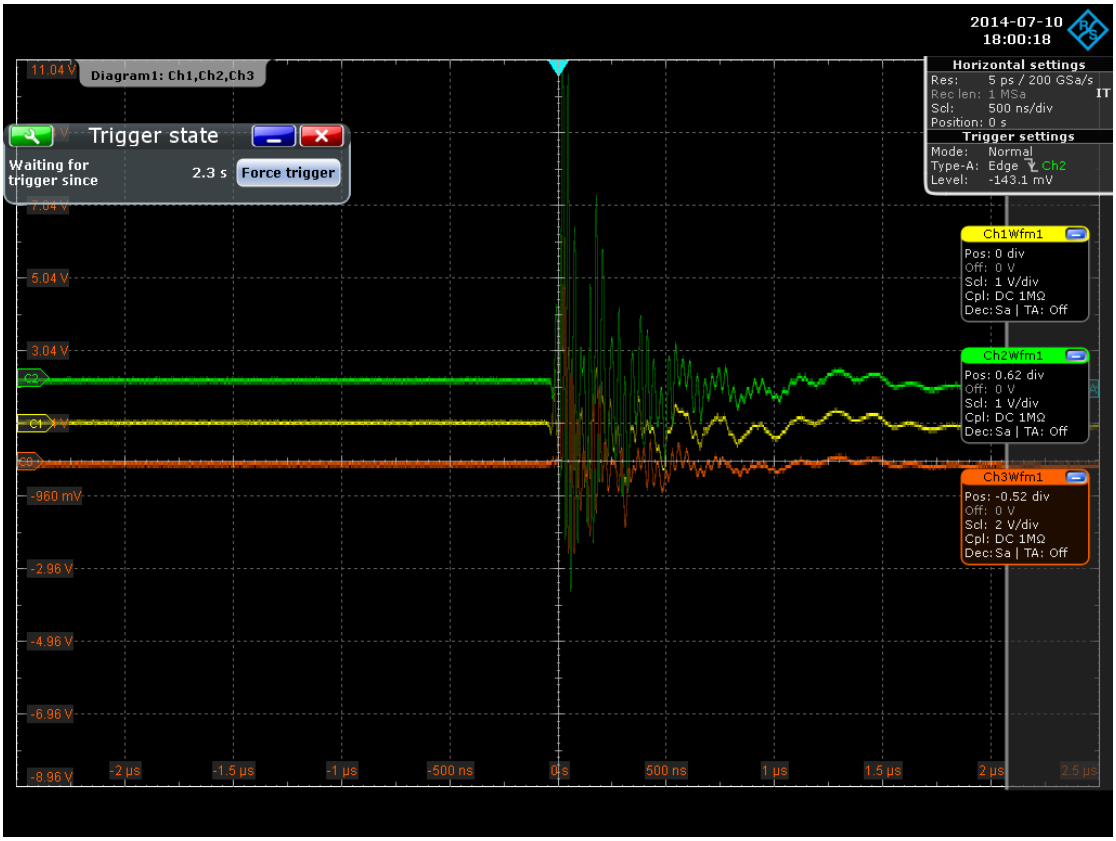




End of config_g, further signal-development (50 ns/div)

Config_g, further signal-development (500 ns/div):





End of config_g, further signal-development (500 ns/div)