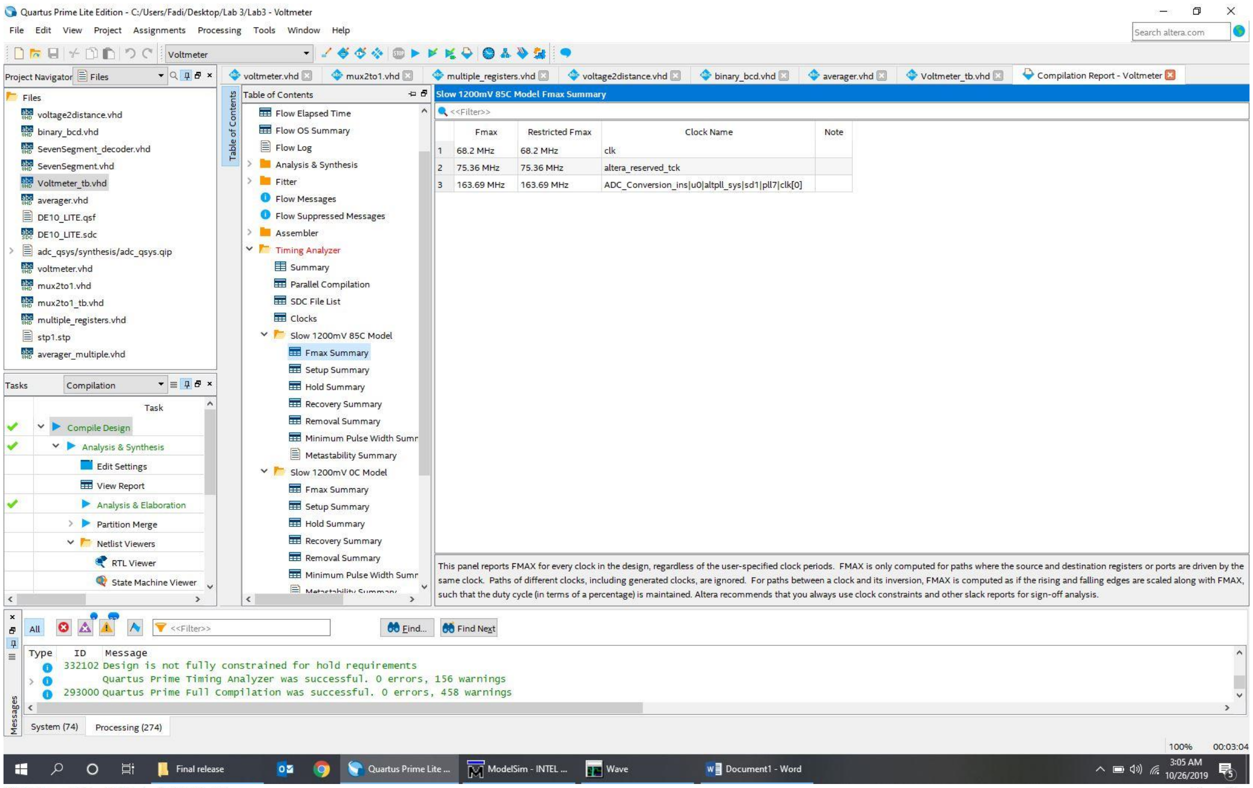
Fadi Katto

Jennifer Hunchak


Quartus Prime Lite Edition - C:/Users/Fadi/Desktop/Lab 3/Lab3 - Voltmeter
File Edit View Project Assignments Processing Tools Window Help
Slow 1200mV 85C Model Fmax Summary
Fmax | Restricted Fmax | Clock Name | Note
1 68.2 MHz 68.2 MHz clk
2 75.36 MHz 75.36 MHz altera_reserved_tck
3 163.69 MHz 163.69 MHz ADC_Conversion_ins|u0|altpll_sys|sd1|pll7|clk[0]
This panel reports FMAX for every clock in the design, regardless of the user-specified clock periods. FMAX is only computed for paths where the source and destination registers or ports are driven by the same clock. Paths of different clocks, including generated clocks, are ignored. For paths between a clock and its inversion, FMAX is computed as if the rising and falling edges are scaled along with FMAX, such that the duty cycle (in terms of a percentage) is maintained. Altera recommends that you always use clock constraints and other slack reports for sign-off analysis.
Files
voltage2distance.vhd
binary_bcd.vhd
SevenSegment_decoder.vhd
SevenSegment.vhd
Voltmeter_tb.vhd
averager.vhd
DE10_LITE.qsf
DE10_LITE.sdc
adc_qsys/synthesis/adc_qsys.qip
voltmeter.vhd
mux2to1.vhd
mux2to1_tb.vhd
multiple_registers.vhd
stp1.stp
averager_multiple.vhd
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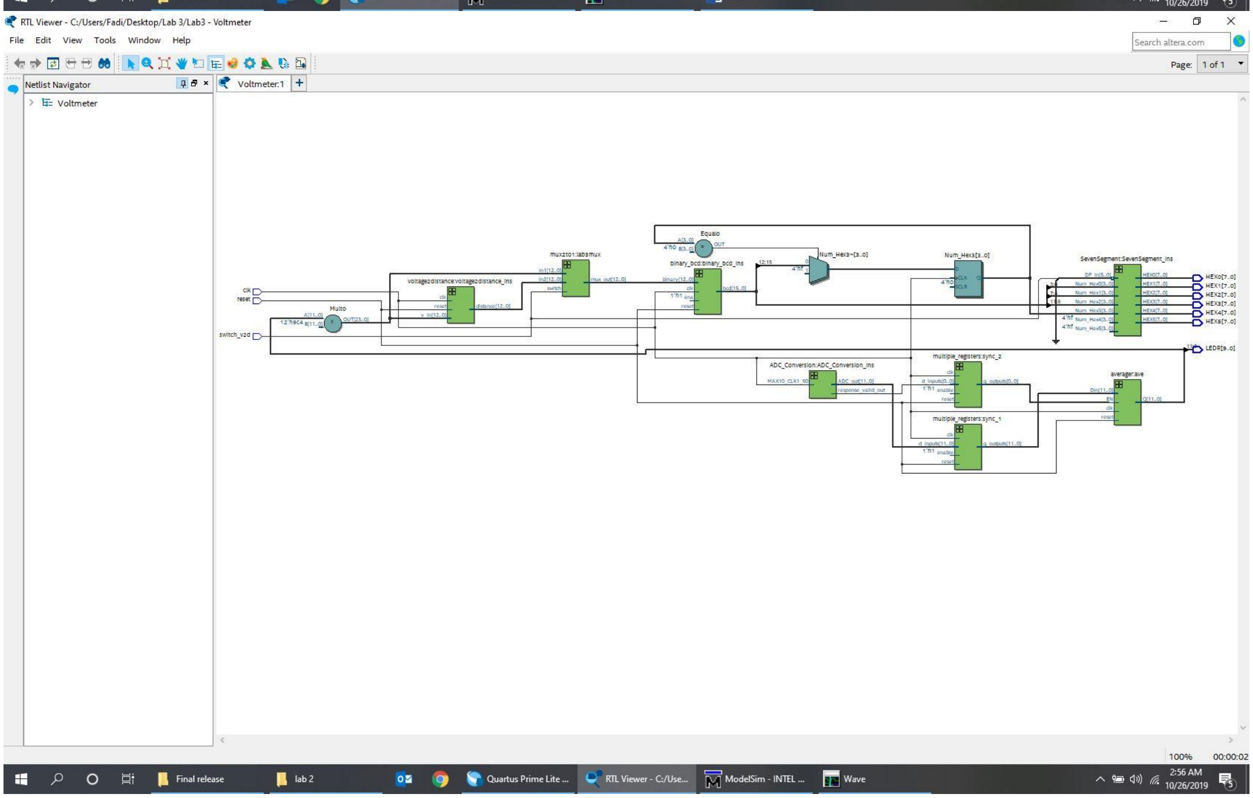
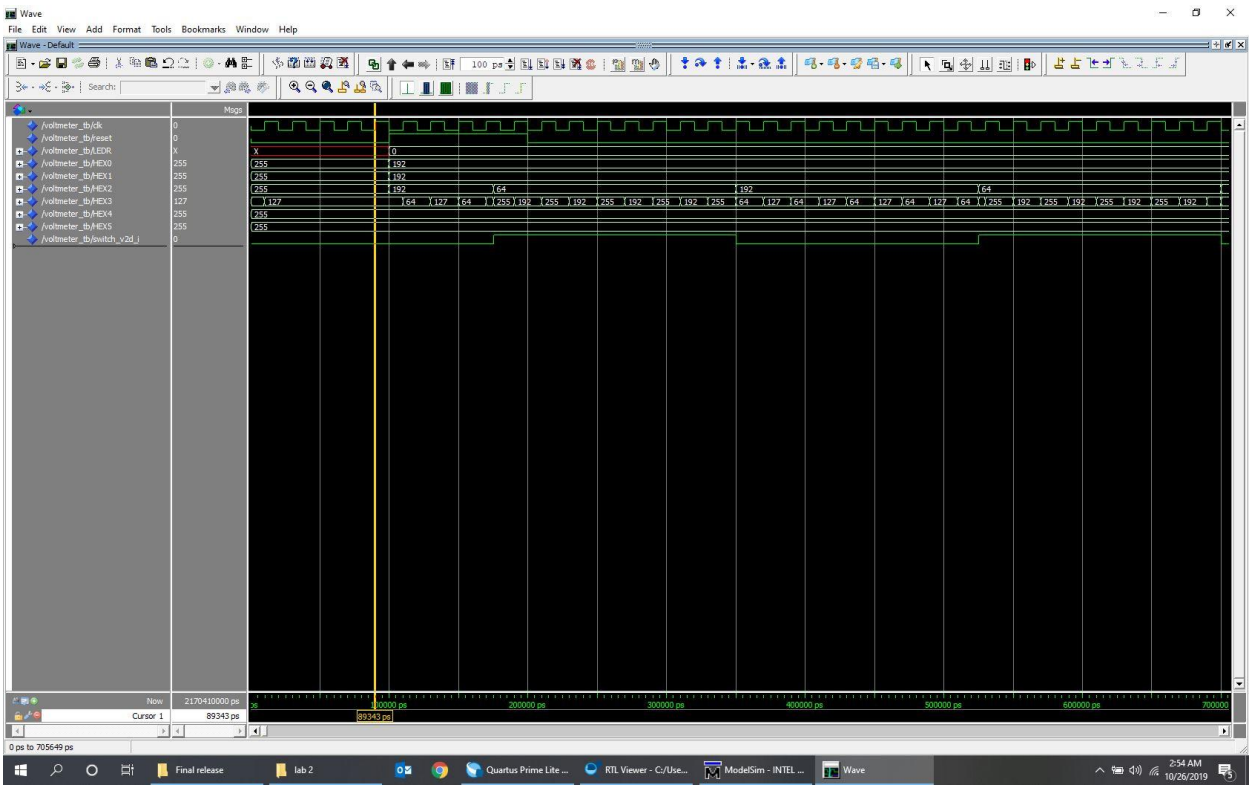
Type ID Message
332102 Design is not fully constrained for hold requirements
Quartus Prime Timing Analyzer was successful. 0 errors, 156 warnings
293000 Quartus Prime Full Compilation was successful. 0 errors, 458 warnings
System (74) Processing (274)
100% 00:03:04
3:05 AM 10/26/2019


RTL Viewer - C:/Users/Fadi/Desktop/Lab 3/Lab3 - Voltmeter
File Edit View Tools Window Help
Netlist Navigator
Voltmeter
Voltmeter:1
Page: 1 of 1
100% 00:00:02
2:56 AM 10/26/2019


Wave
File Edit View Add Format Tools Bookmarks Window Help
Wave - Default
/voltmeter_tb/clk
/voltmeter_tb/reset
/voltmeter_tb/LEDR
/voltmeter_tb/HEX0
/voltmeter_tb/HEX1
/voltmeter_tb/HEX2
/voltmeter_tb/HEX3
/voltmeter_tb/HEX4
/voltmeter_tb/HEX5
/voltmeter_tb/switch_v2d_i
Now
Cursor 1
0 ps to 705649 ps
Final release
lab 2
Quartus Prime Lite ...
RTL Viewer - C:/Use...
ModelSim - INTEL ...
Wave
2:54 AM
10/26/2019