SASIBO GII Configuration and Programming

1. Program SPARTAN3

* Project name: testGII
* Device: Spartan3A and Spartan3AN, XC3S400A, FT256, -4
* Verilog file added: C:\Users\user\Downloads\SASEBO-GII\_QuickStart\_Ver1.0\sasebo\_gii\_quickstart\_guide\_ver1.0\sasebo\_gii\_ctrl\ chip\_sasebo\_gii\_ctrl
* No UCF file is required
* Synthesize each project, generate programming file,
* Attach the configuration cable to CN7
* Run iMPACT to program the FPGA
* Program the device with .bit file in the project folder
* Following steps should be tested again (not sure):
* Program again with .mcs file
* Select SPI PROM / AT45DB321D

1. Program VIRTEX 5,

* Project name: MainGIItest,
* Device: xc5vlx30-2ff324,
* Verilog file added: C:\Users\user\Downloads\SASEBO-GII\_QuickStart\_Ver1.0\sasebo\_gii\_quickstart\_guide\_ver1.0\sasebo\_gii\_aes\_comp\chip\_sasebo\_gii\_aes\_comp.v
* No UCF file is required
* Synthesize each project, generate programming file
* Attach the configuration cable to CN4
* Run iMPACT to program the FPGA
* Program the device with .bit file in the project folder
* Following steps should be tested again (not sure):
* Program again with .mcs file
* Select SPI PROM / AT45DB321D

1. Switch the board off, disconnect the USB cable from connector CN6 and connect the cable again?
2. Switch the power of SASEBO-GII on and you should see LEDs D1, D2, and D11 turn on. If D1 does not light, it indicates a problem with the power supply. If D2 and D11 are off, it implies a power supply problem, SASEBO setting problem, or failure in reprogramming the flash ROM.
3. Check that the Oscilloscope is recognized by PC and it can communicate.
4. Run SASEBO\_waveform\_acquisition program
   * Set scope properties : XOffset: 2.8E-06

XRange: \_500ns

YOffset: -1.03

YRange: \_5mV