

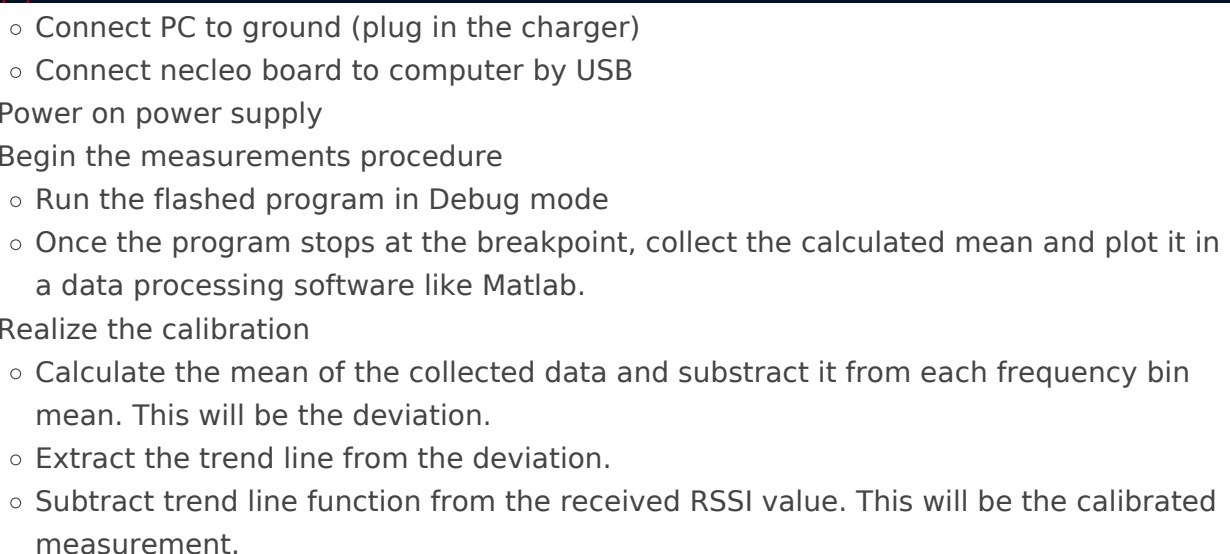
Front-end Gain calibration Procedure

Objective

Measure the total system gain at the output of the RSSI and equalize it.

Steps to follow

- Turn on equipment
 - Spectrum analyzer
 - Power supply
 - Configure to desired parameters
 - Spectrum analyzer
 - Set center frequency in the middle of VCO output band (6250MHz)
 - Set span to match the VCO output band (1400MHz)
 - Set RBW and VBW to an adequate level
 - Power supply
 - Set Voltage to 3.3V
 - Set current limit to 0.3A
 - Set up nucleo board and PC
 - Make sure the proper code is loaded into the nucleo board
 - - Connect the power supply to the payload:
 - Vcc to PoL (RED)
 - GND to GND (BLACK)
 - Connect the DAC output to the DAC_In (GREEN)
 - Connect the ADC input to the ADC_Out
 - Load the IF Input with a 50 Ohm perfectly matched load.
 - Connect the spectrum analyzer to the switched measuring pin (PURPLE)
- Make connections



- Reboot the program and check if the equalization is now correct. If it's not correct repeat the previous step
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