

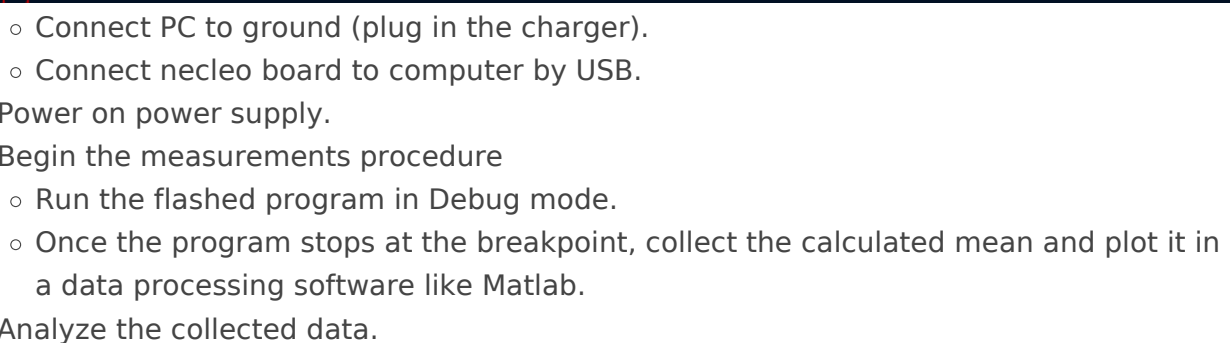
P/L3 Envelope Detection characterization Procedure

Objective

Characterize the capacity of the RFI Monitoring system to detect signals by Envelope Detection method.

Steps to follow

- Turn on equipment
 - Power supply
 - Signal generator
- Configure to desired parameters
 - Power supply
 - Set Voltage to 3.3V
 - Set current limit to 0.3A
 - Signal generator
 - Set output frequency to some IF Band frequency
- Set up nucleo board and PC
 - Make sure the proper code is loaded into the nucleo board
- Make connections
 - 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.



Updated 15 November 2024 18:53:04 by roger.almirall