WARP in 2 connected PCs mode

This folder contains 4 files developed and simulated at Wednesday 8 April.

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1. Transmitter: contains the code that control the WARP transmitter, the transmitter procedure is as following initiate the WARP kits in continuous mode the pause interval is infinity which means continuous transmission till the shutdown of the transmitter.
2. Receiver: contains the code that the WARP receiver, the receiver works in the normal mode includes the resetting of the buffer each time the receiver works.
3. generate\_tansmitted\_data: function contains the code that generates the transmitted data; the arguments of this function are the length of the transmitted data, polynomial order and the generator polynomial of the PN codes.
4. channel\_cir\_estimation: function contains the code that calculates the Channel Impulse Response (CIR) of the channel by calculating the correlation between the received samples and the code.

The code is well commented.