BeinMotion Lab notes

Observations 013013

Supplying power to WiFly.1 does not power the module. 3.3V must be applied at the battery + terminal.

CTS & RTS seem to be swapped. No UART communication when green wire is attached to WiFly.6 to Be\_J10.6. All comms out of WiFly are held off.

When conned to WiFly module via Ad-Hock mode some characters are lost in the transfer.

Note: the WiFly module does support direct connection to Android devices. The WiFly needs firmware 2.45 or higher and must be put in SoftAp mode.

Notes 020313

I’ve been working on the communication between the WiFly and the Nios processor. Nios doesn’t send and RTSn is high. Found this in a reference manual.

If the CTS/RTS flow control signals are enabled in hardware, the fast driver

automatically uses them. The small driver always ignores them.

I think the HAL is set to the small model, checking how to change to the fast model.

Don’t know how, just going to leave the CTS & RTS signals unconnected fir now.

Notes 020613

I’m going to try removing the flow control option from the UART\_0 module and see what happens

Communication now works between the term window (jtag\_uart) and the nios uart\_0 that talks to the WiFly module.

Flow control was taken out of UART\_0

A method to poll the uarts was added to the code.

I can now talk from the term window to the WiFly module.