DTM Test Setup

1 Download the nAN-34 App note and the python scripts from the product page, using this link.

2 Flash both the DUT and the nRF51 DK kit with the DTM Example(SDK-folder/examples/dtm)

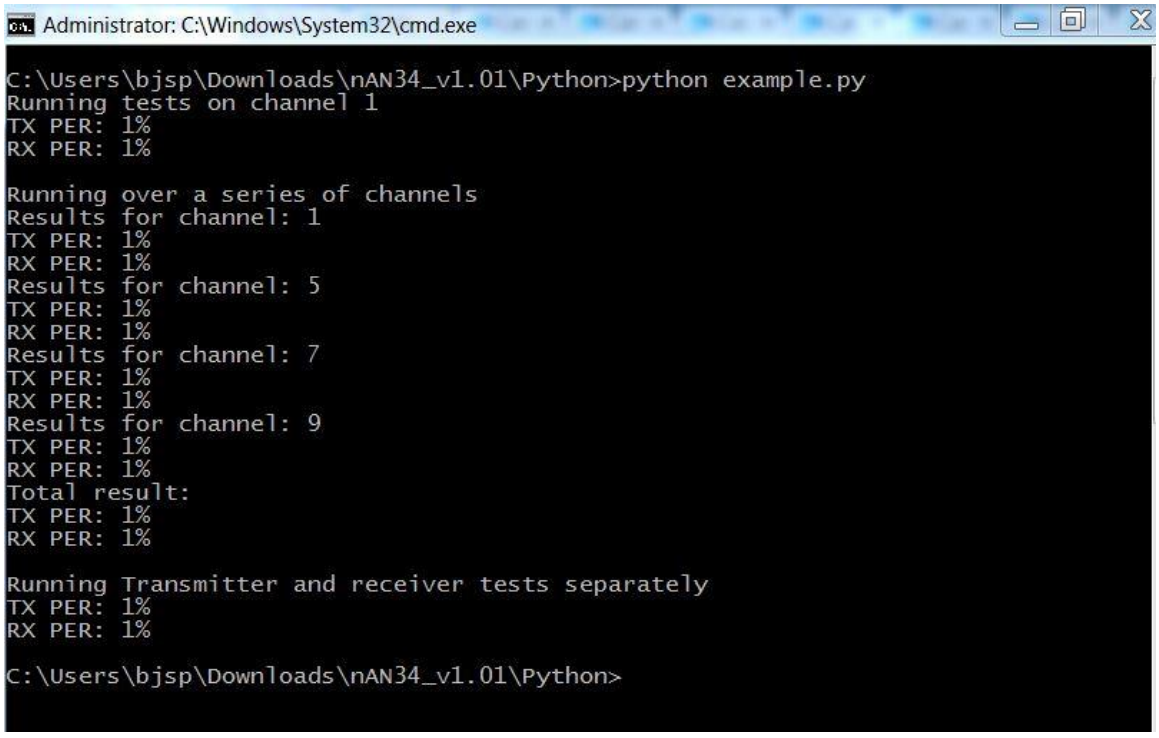
3 Open the example.py python script found in the Python folder in the nAn34_v1.01 zip-file. Edit the TestSerialPortName and GoldenSerialPortName to match the COM-ports that the DUT and nRF51 DK are connected to. (Just open Device Manager >> Ports to see the COM port number)

4 If you do not have Python, download it from here and add python.exe to your Windows path.

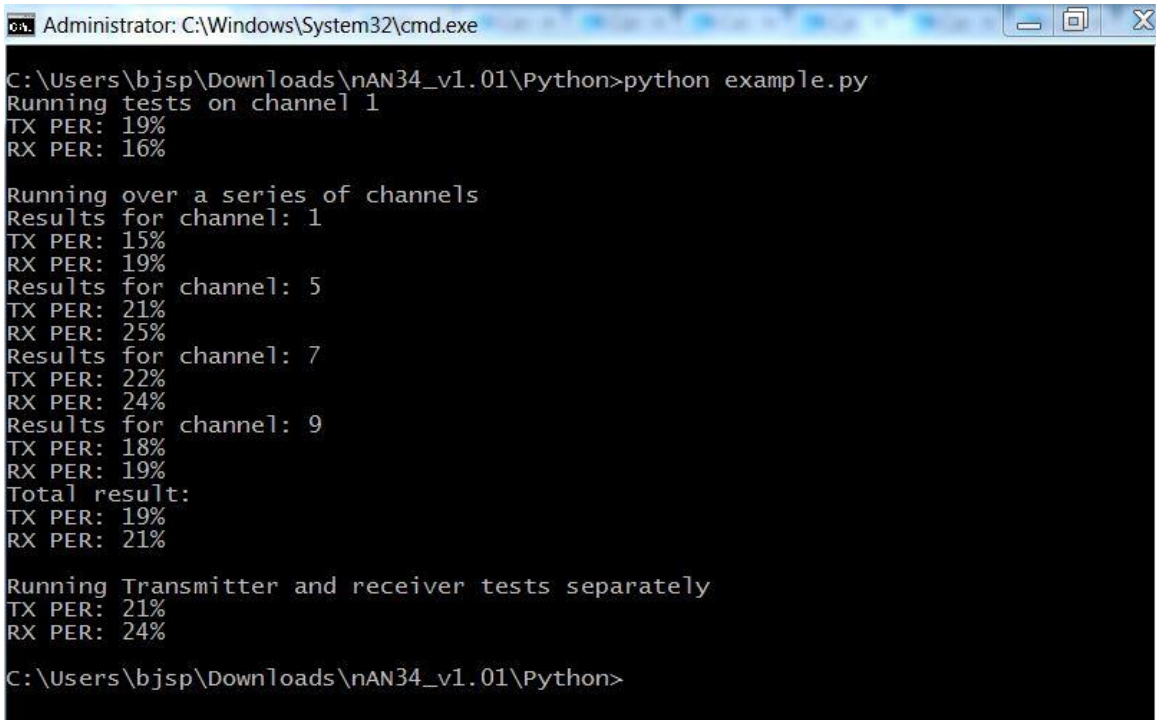
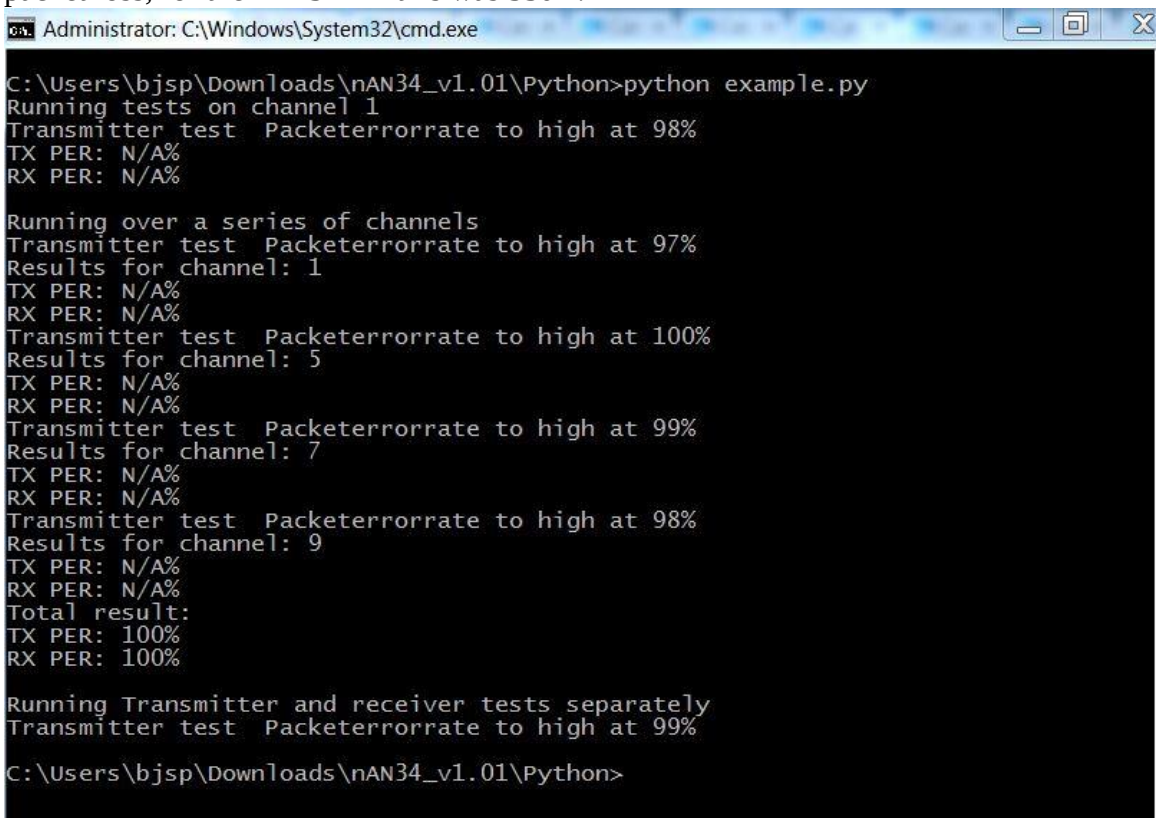
To run the test just open a terminal window in the nAn34_v1.01/Python folder and type in the following

Python example.py

With 0db attenuation the output should be like below



Adjust the attenuation level so that the packet loss is close to 30%, i.e. the DUT is barely passing. With the nRF51 DK, I had to set the attenuation to 50dB, see the screenshot below. Please note that you might have to set the attenuation level higher or lower.



If the attenuation level is too high then no packets will go through, i.e. 100% percent packet loss, for the nRF51 Dk this was 55dB.