



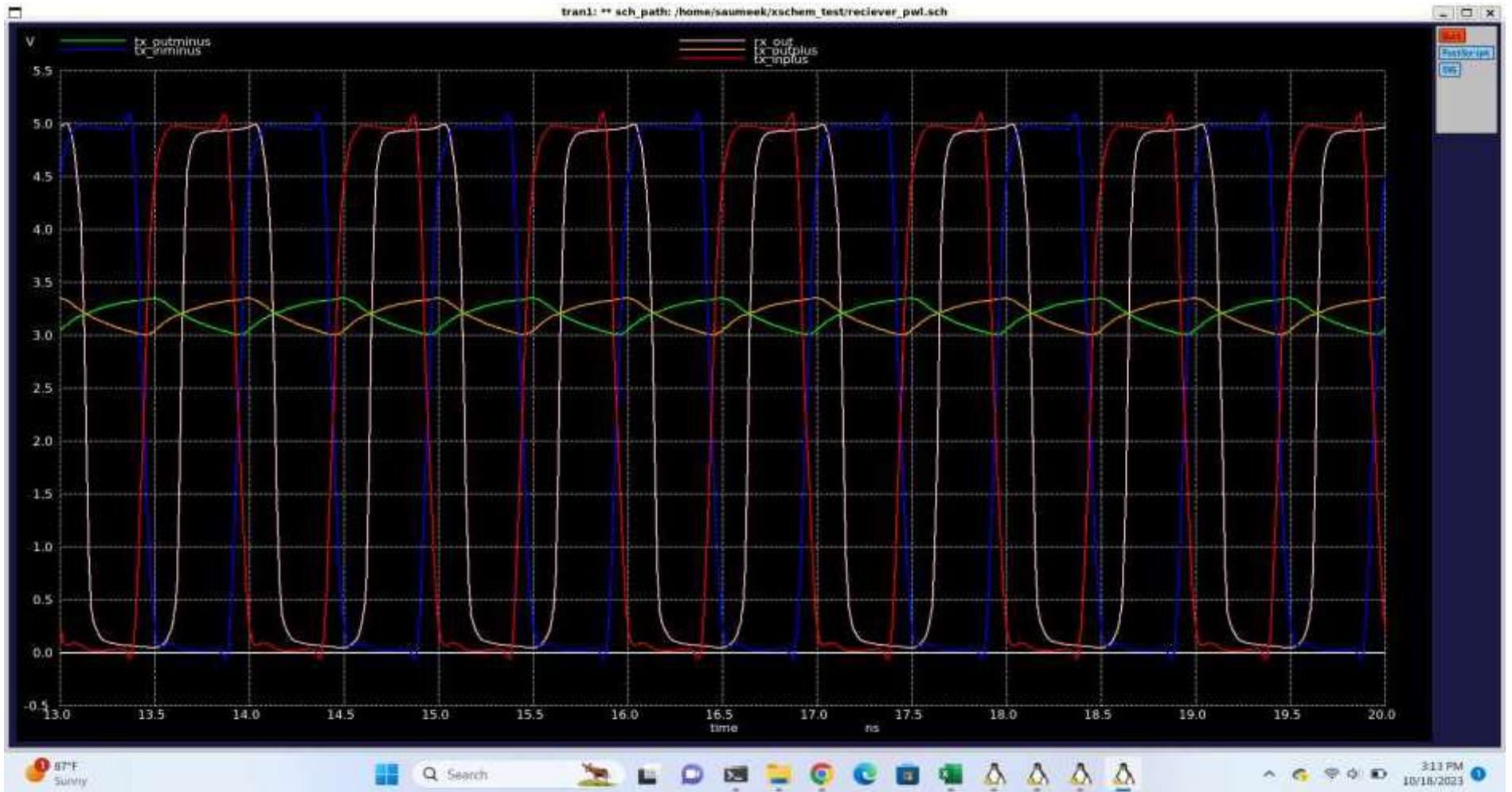
## **LVDS (Tx/Rx) Design With 5V Devices in Sky130nm Process Simulation Results**

Nov, 2023  
Revision 0.0

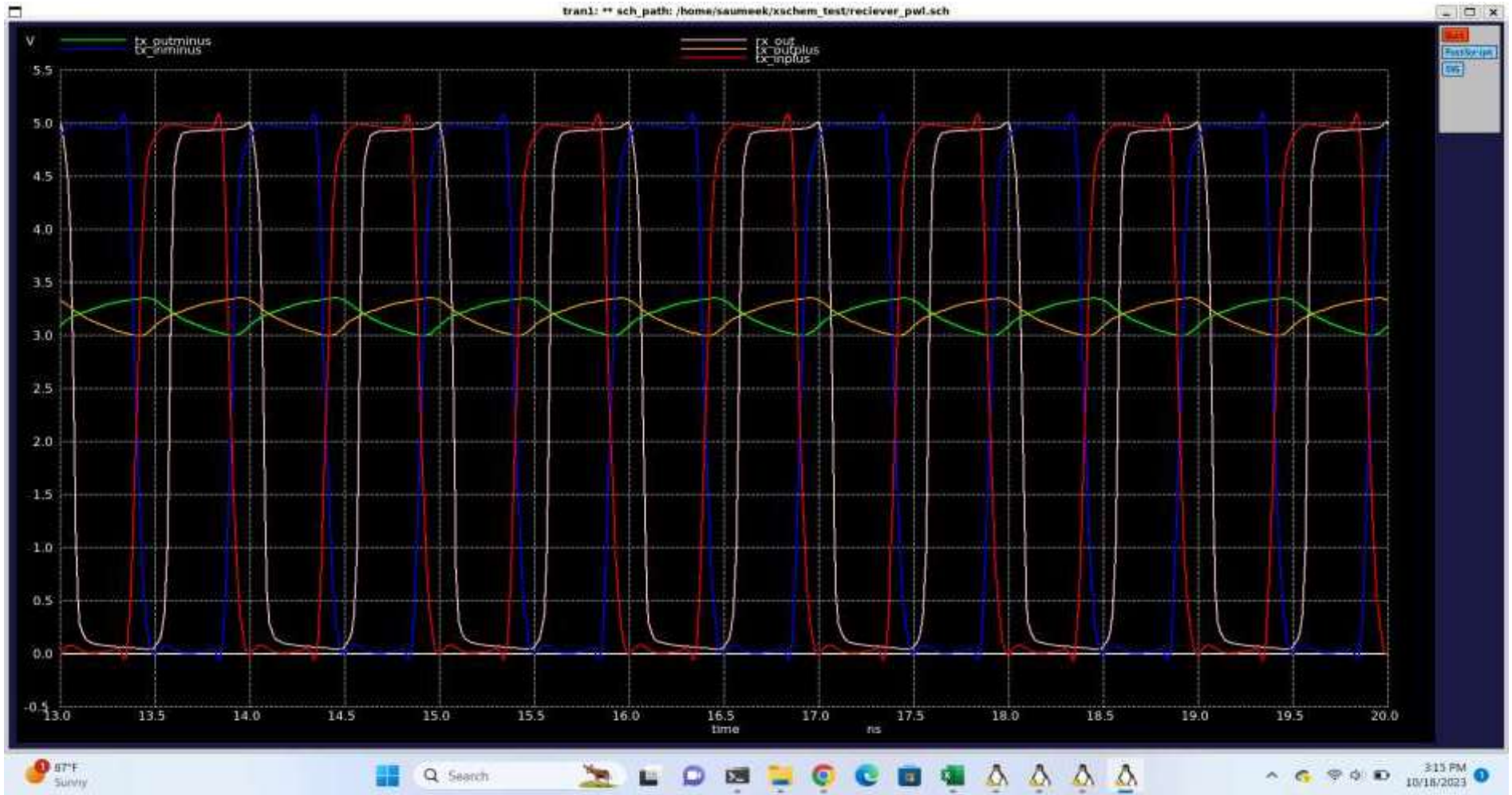
PO Box 9276  
San Jose, CA 95157  
[www.lewiz.com](http://www.lewiz.com)  
Email: [support@lewiz.com](mailto:support@lewiz.com)

Simulation at 5V

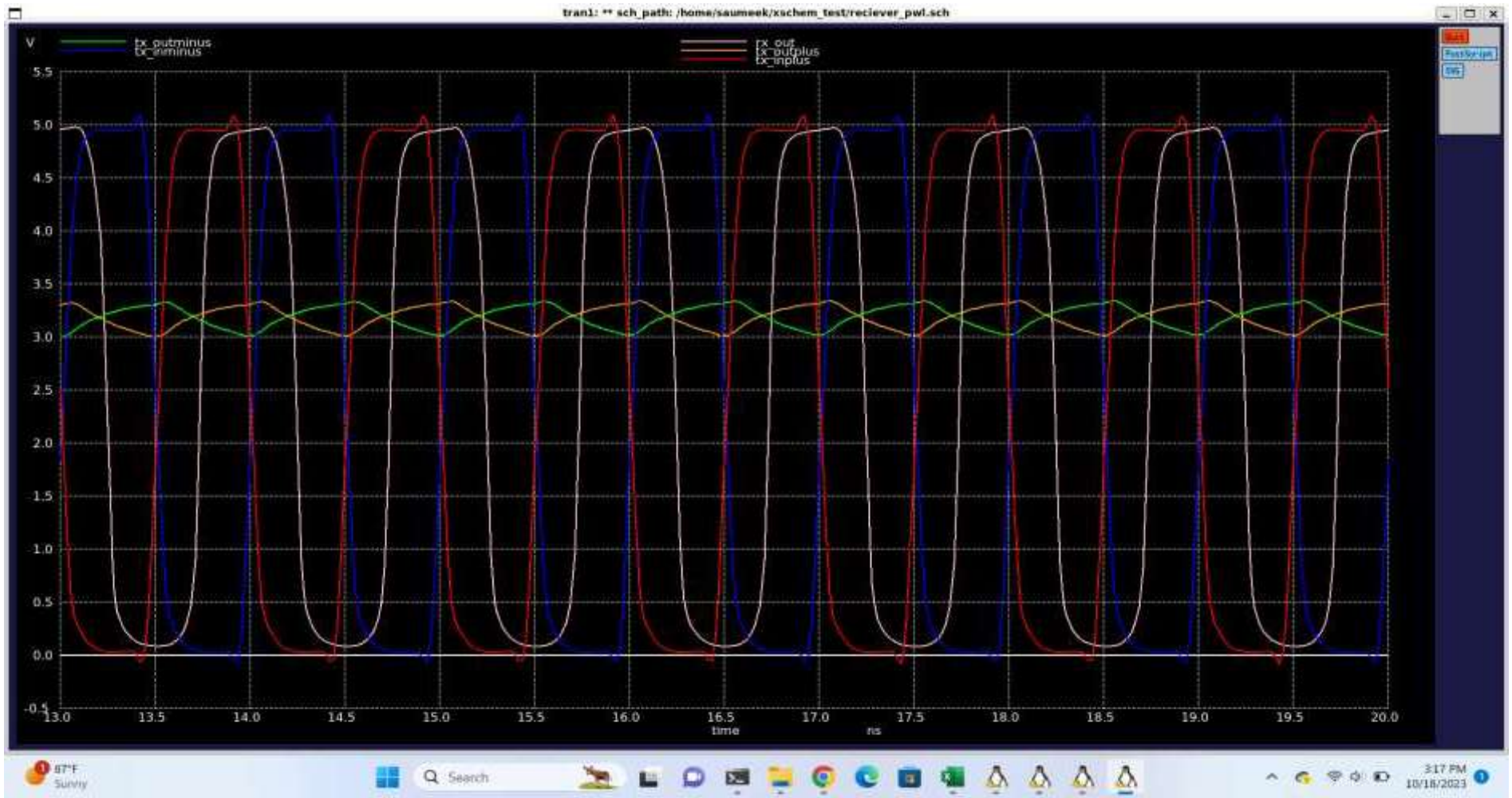
Model    Vcc    Temp  
tt       5       27



Model    Vcc    Temp  
tt       5    -40

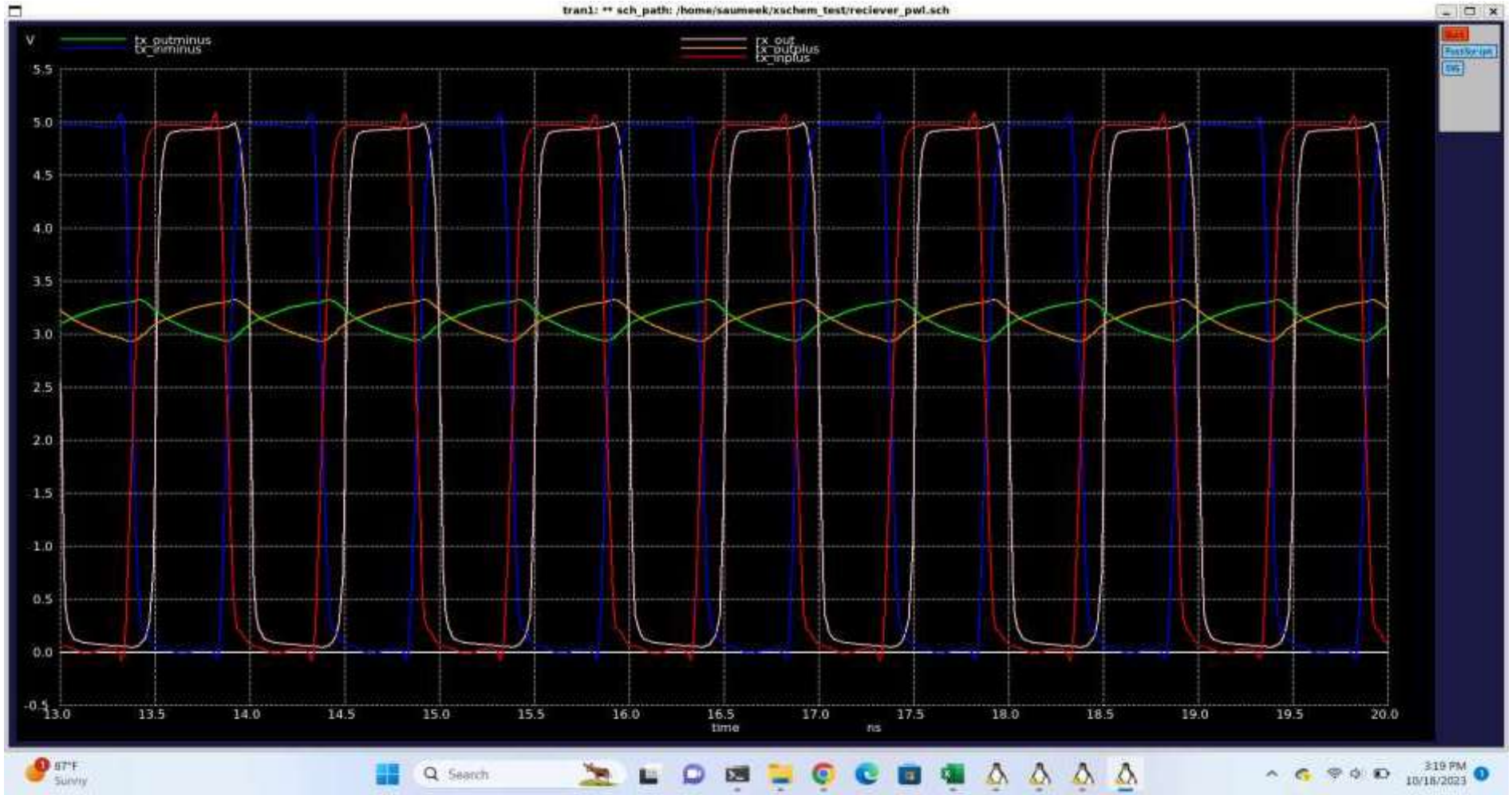


Model Vcc Temp  
tt 5 125

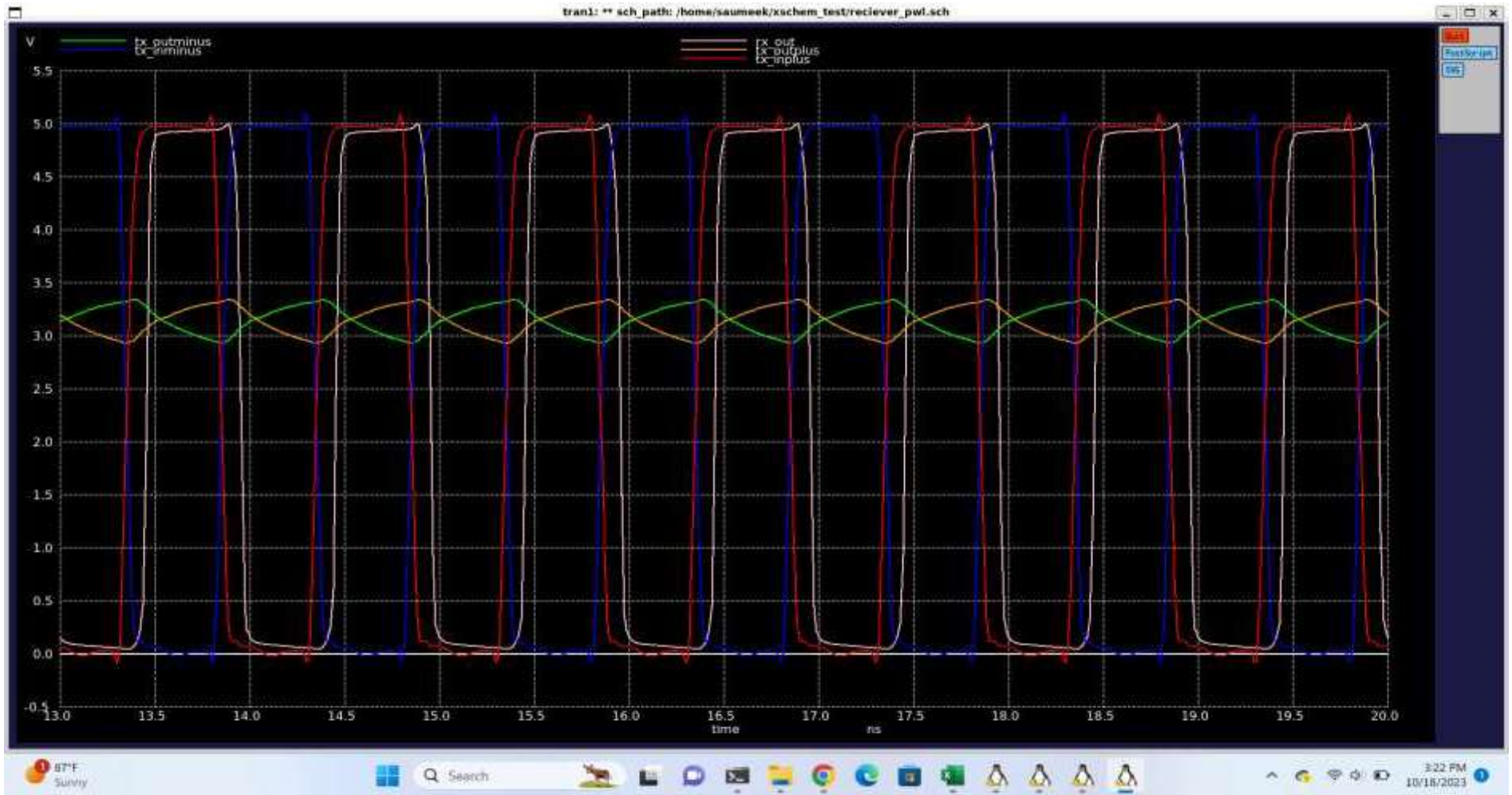




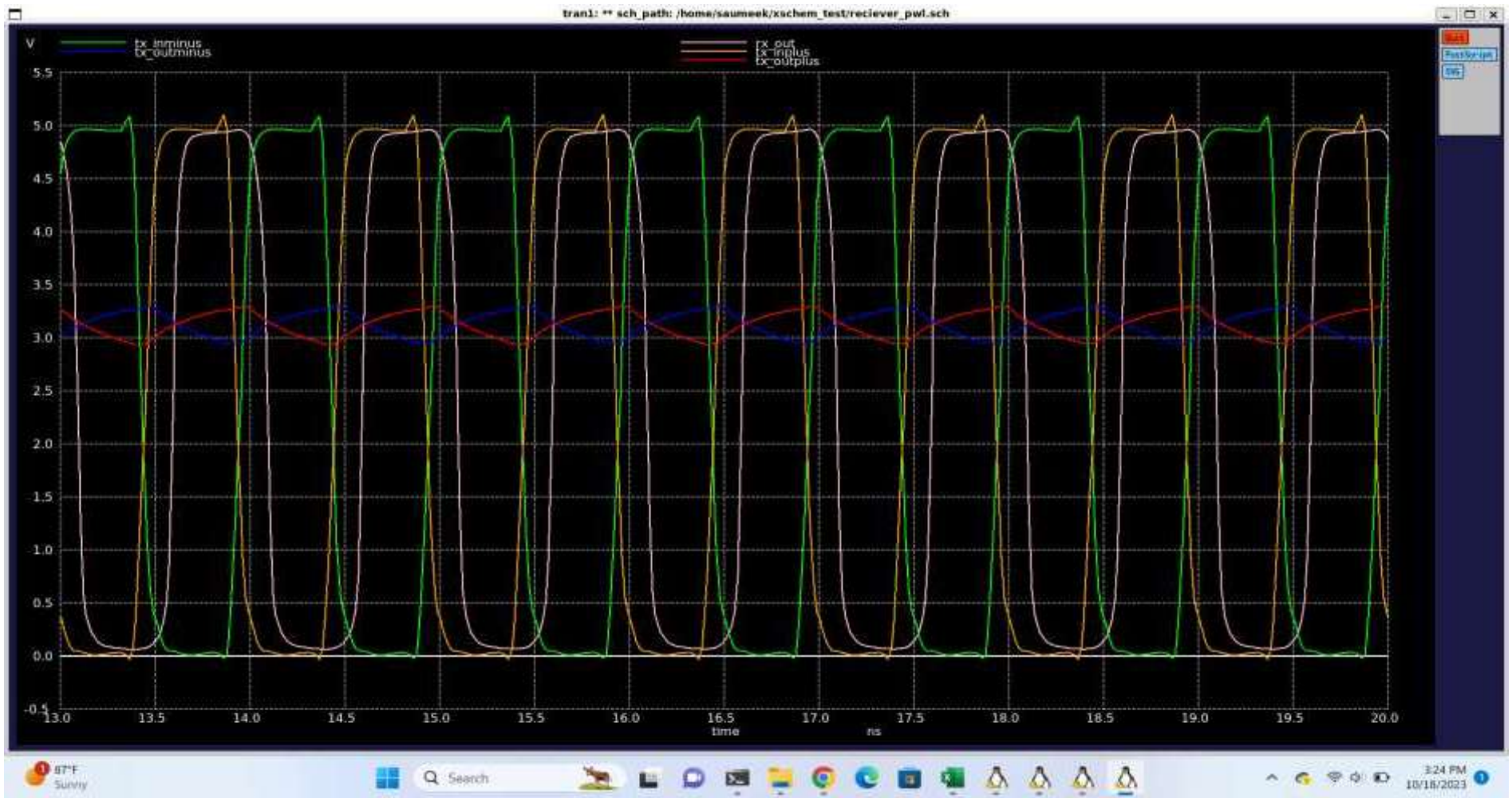
Model    Vcc    Temp  
ff        5       27



Model Vcc Temp  
ff 5 -40

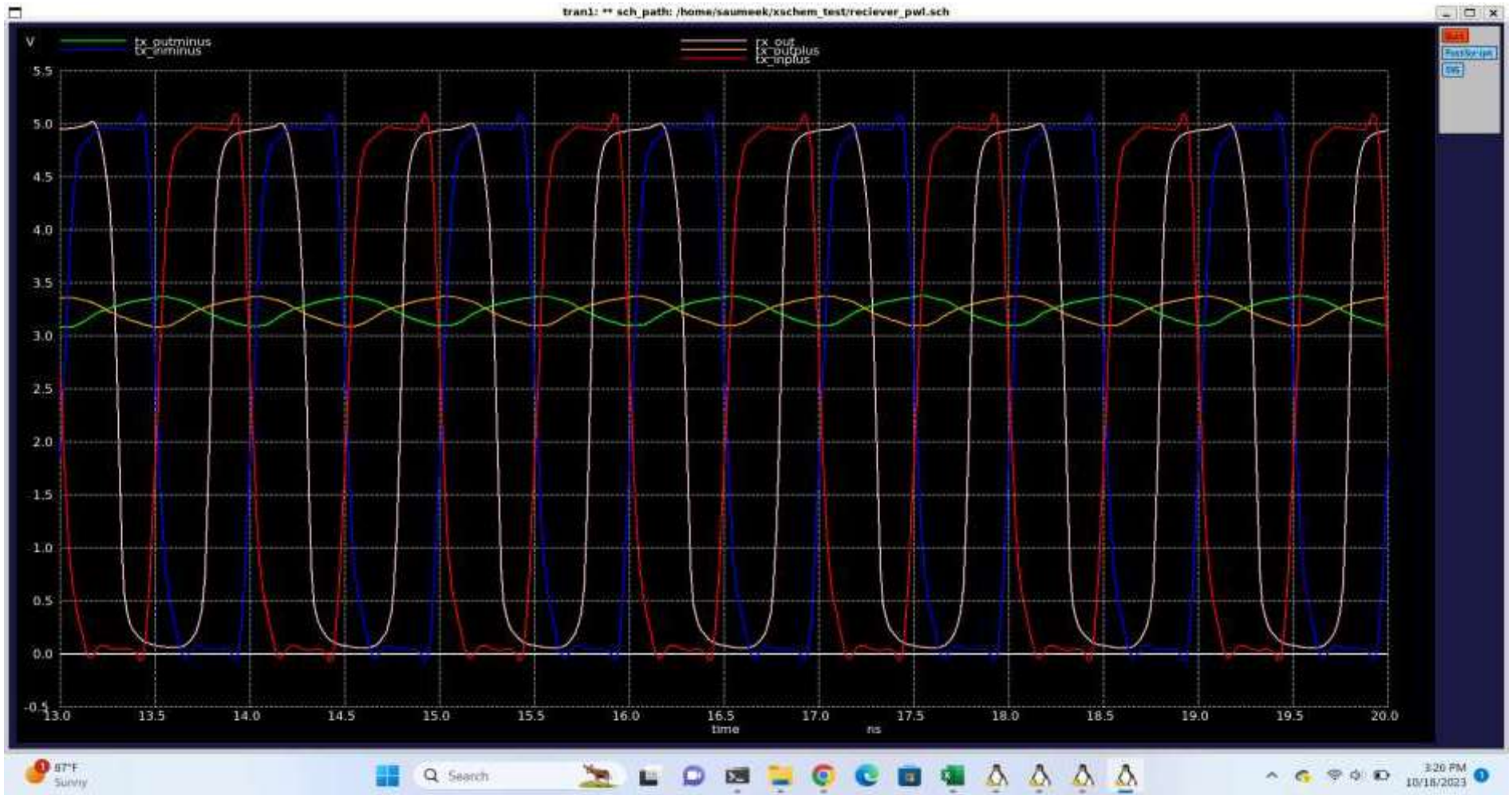


Model Vcc Temp  
ff 5 125

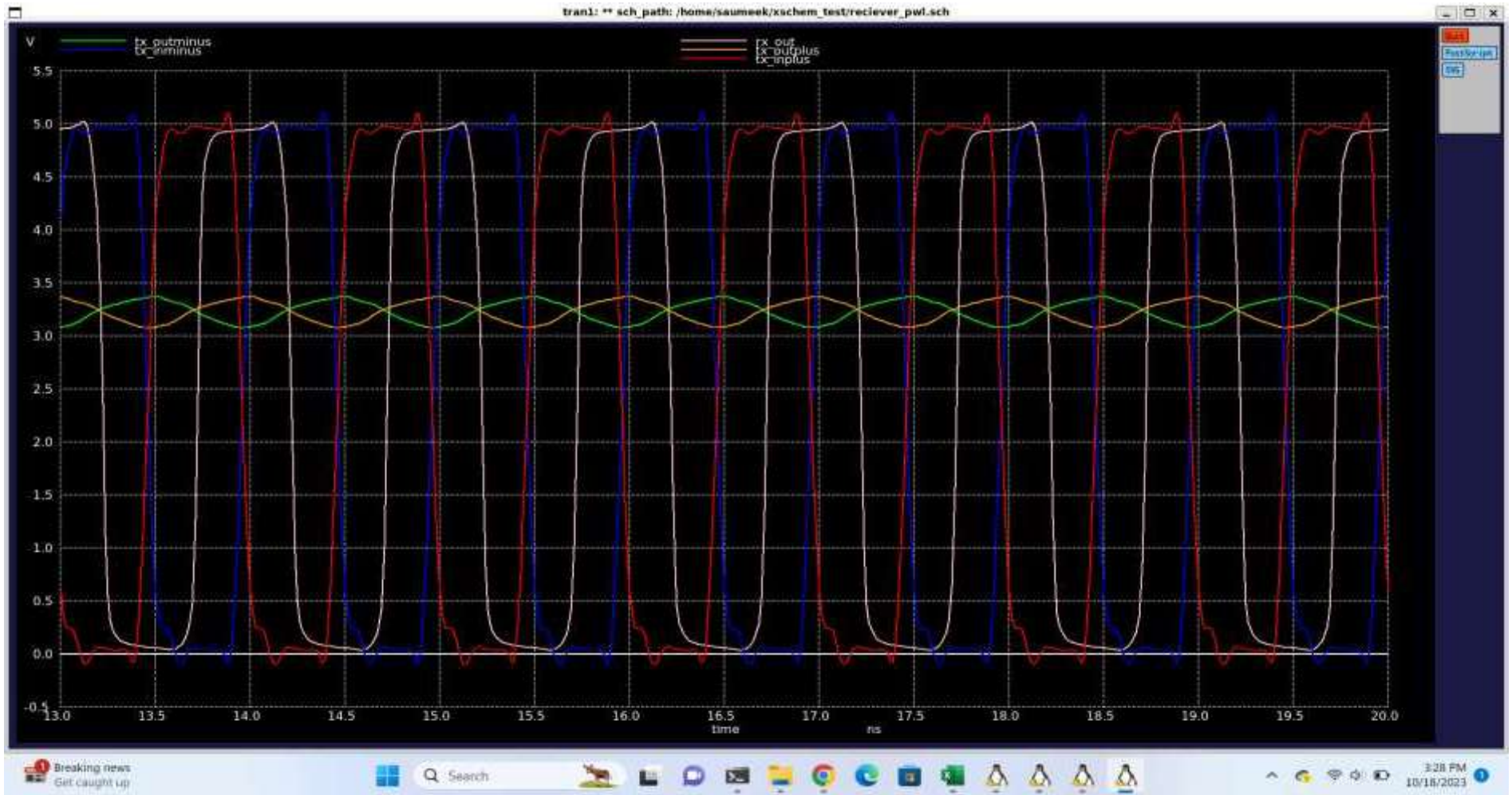




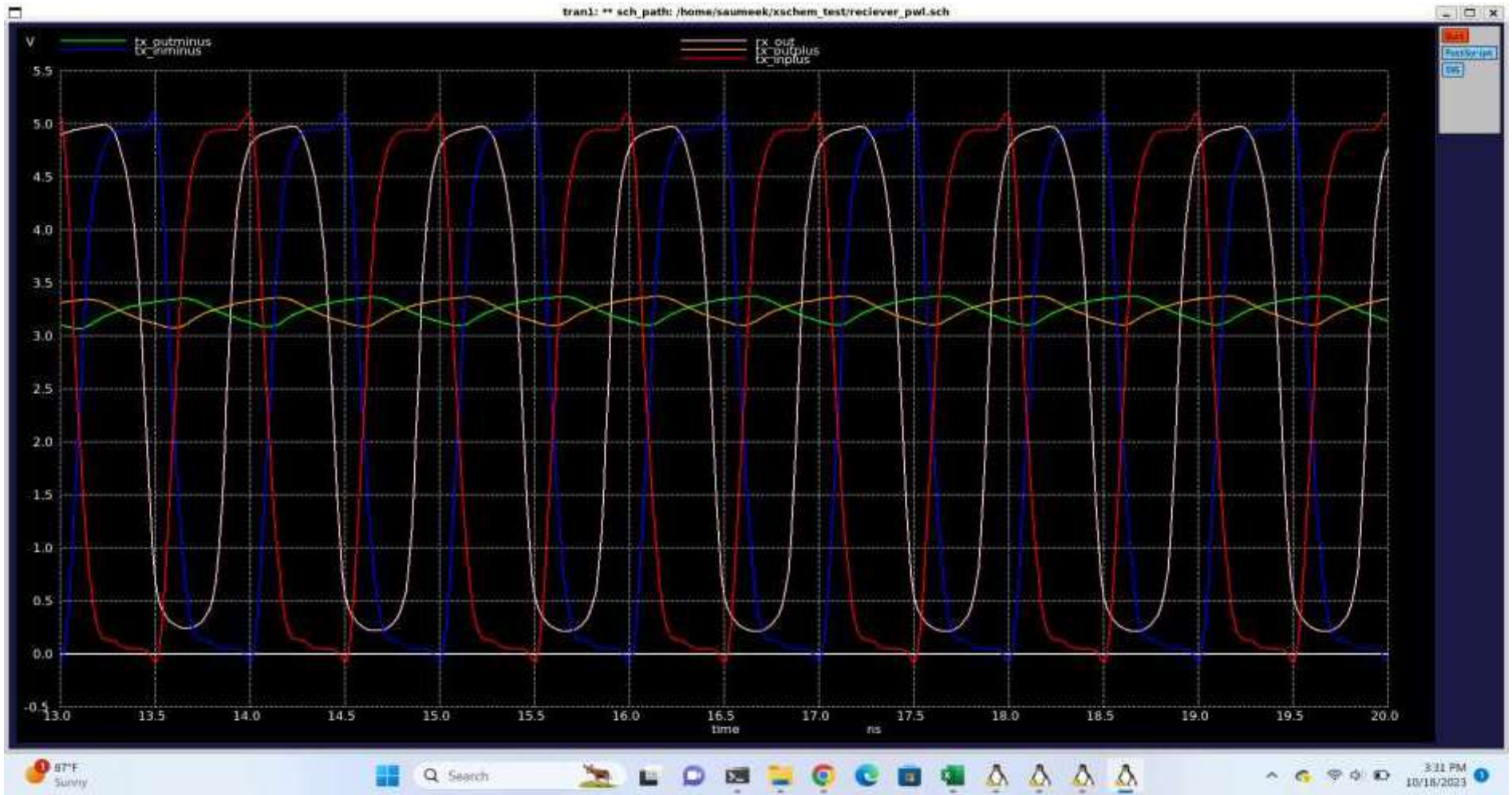
Model Vcc Temp  
ss 5 25



Model    Vcc    Temp  
ss       5       -40

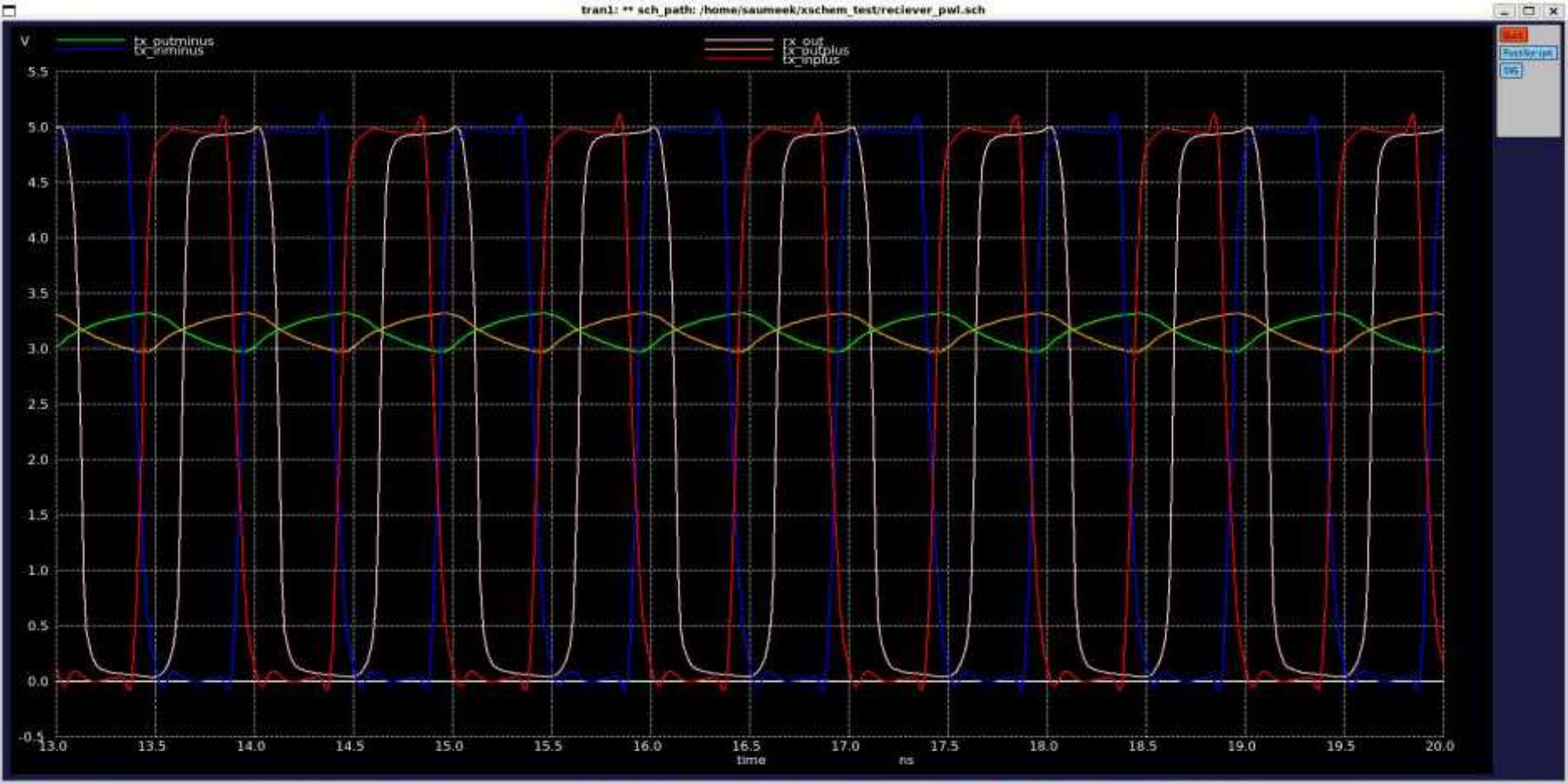


Model    Vcc    Temp  
ss       5       125



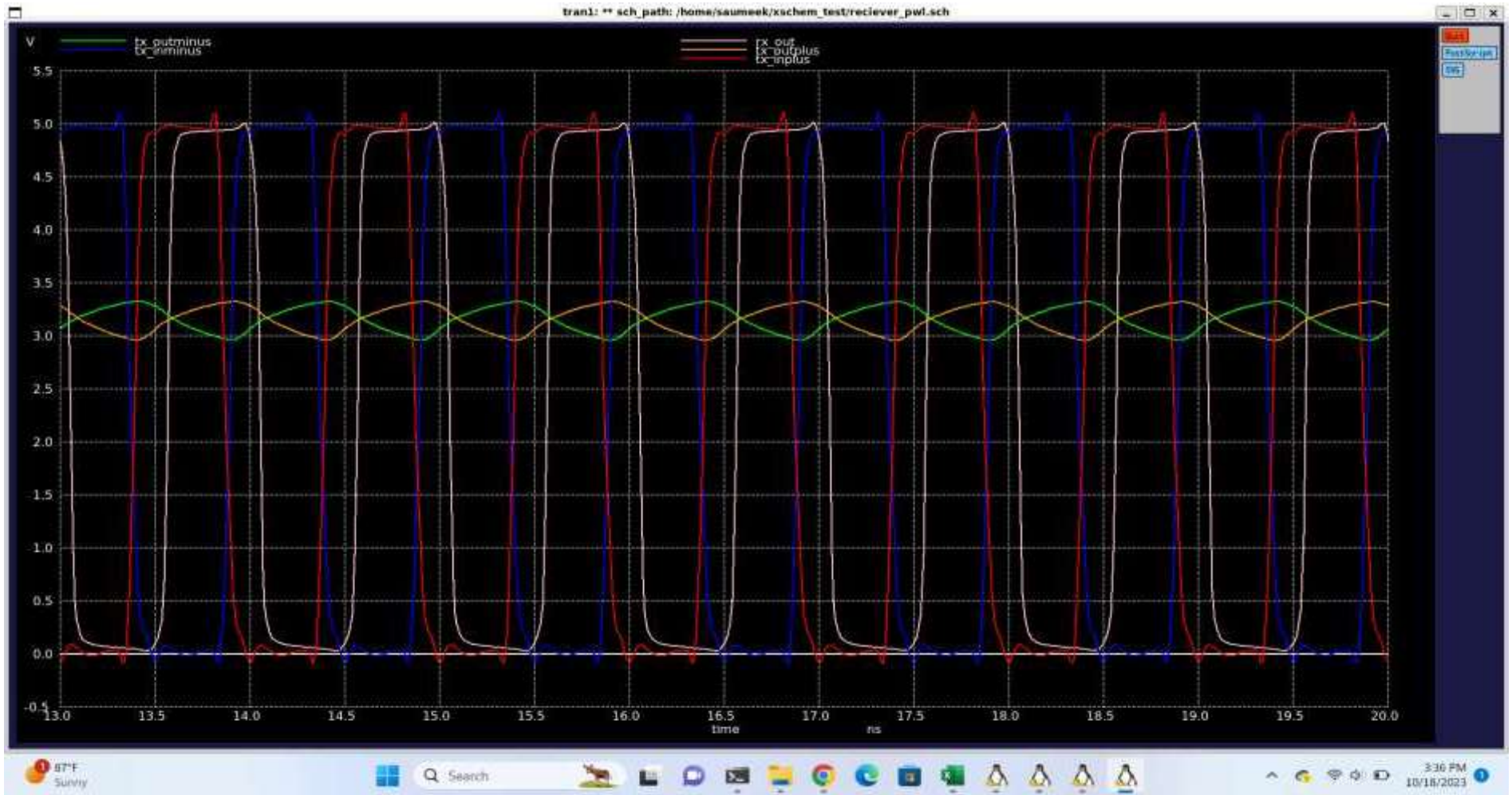


Model    Vcc    Temp  
fs        5     27

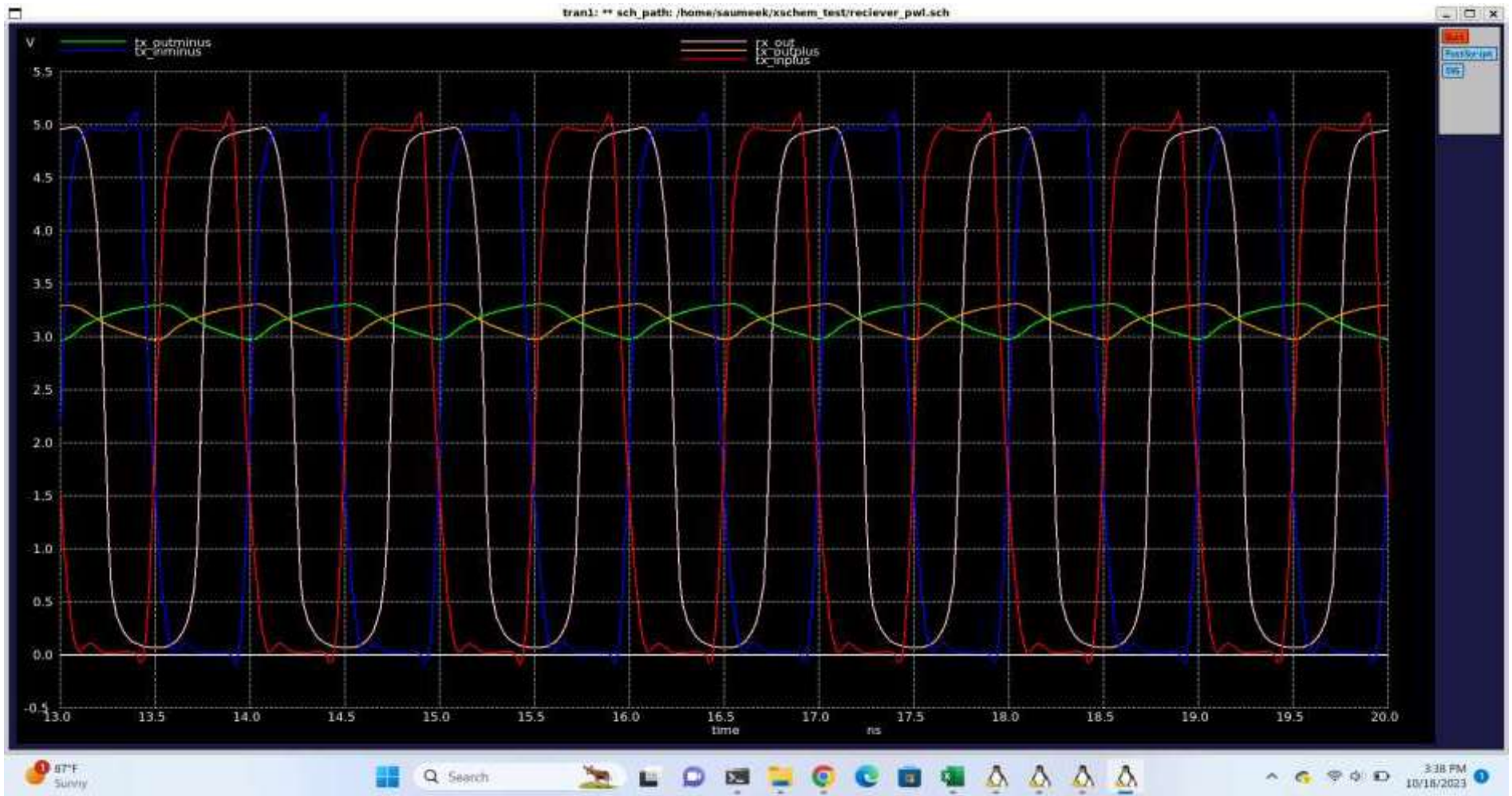




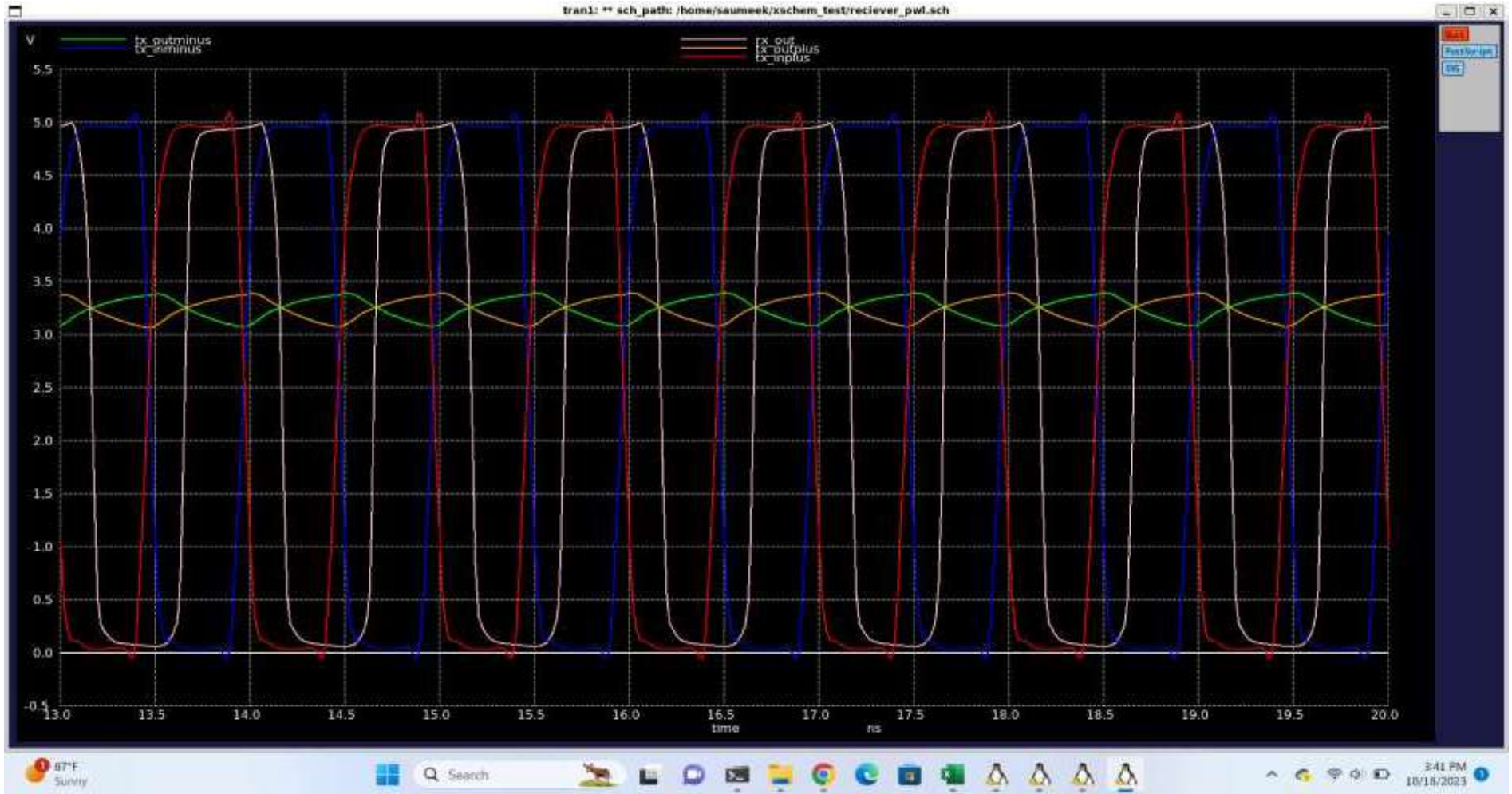
Model Vcc Temp  
fs 5 -40



Model Vcc Temp  
fs 5 125

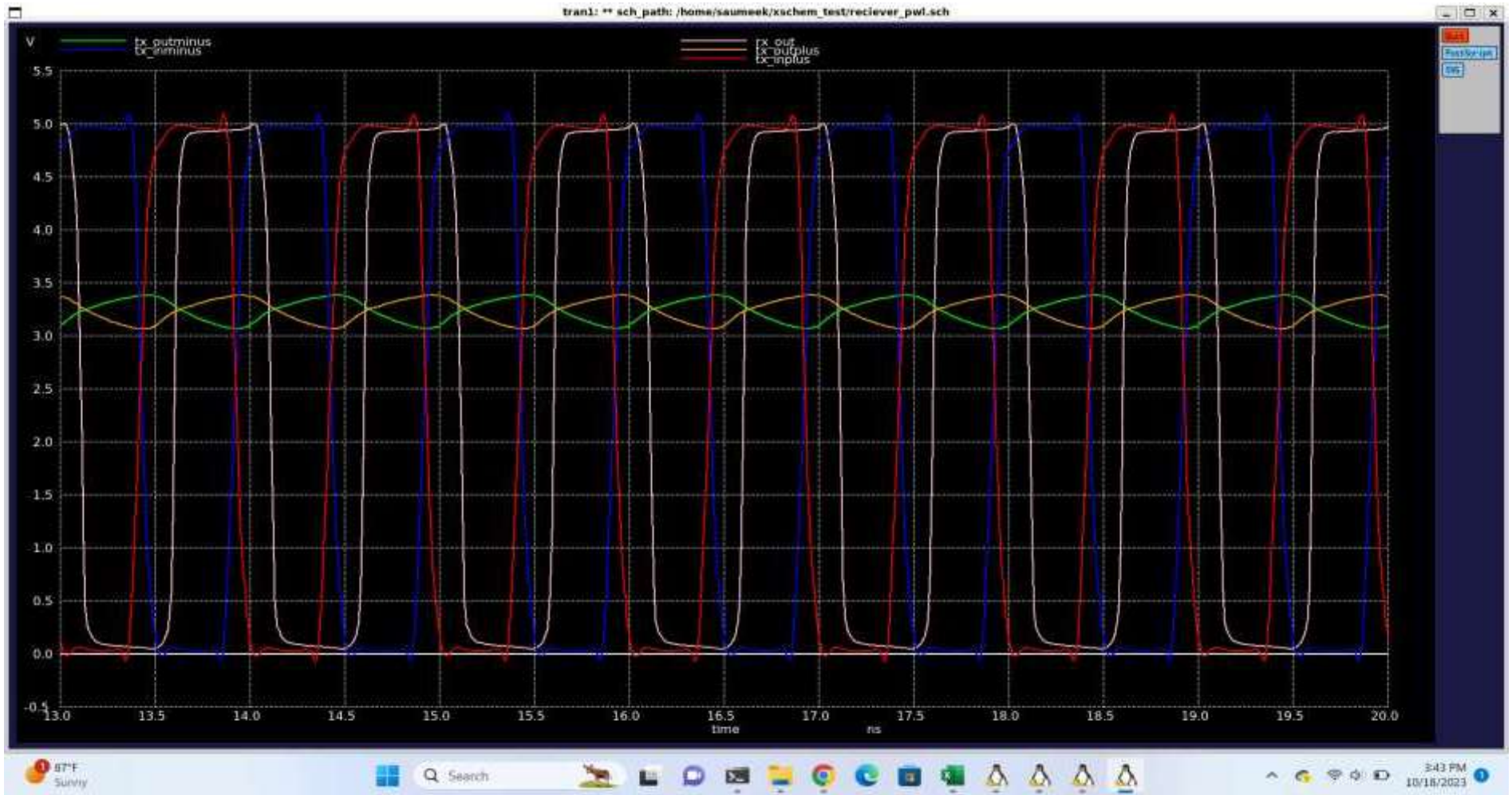


Model Vcc Temp  
sf 5 27



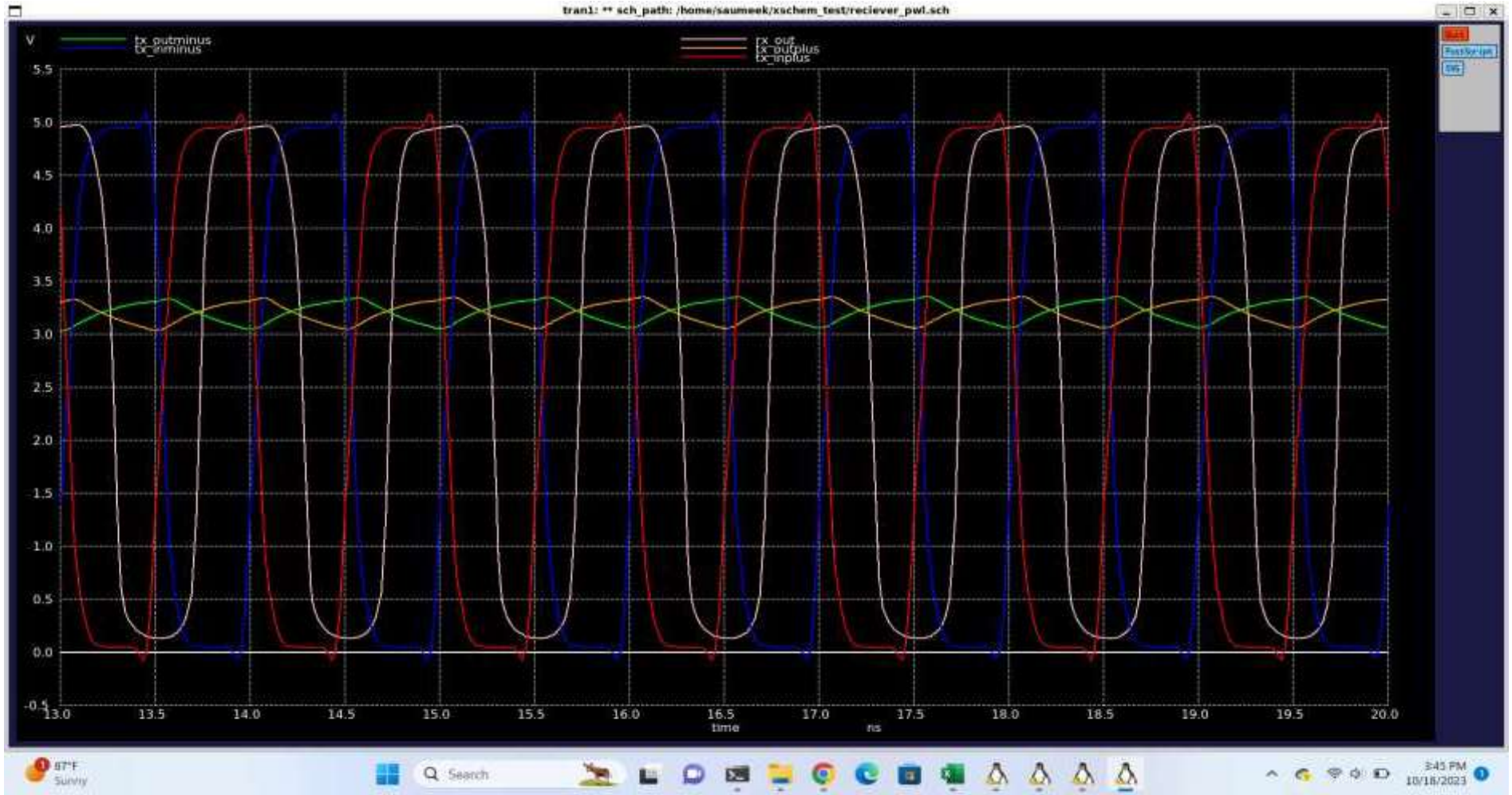


Model Vcc Temp  
sf 5 -40



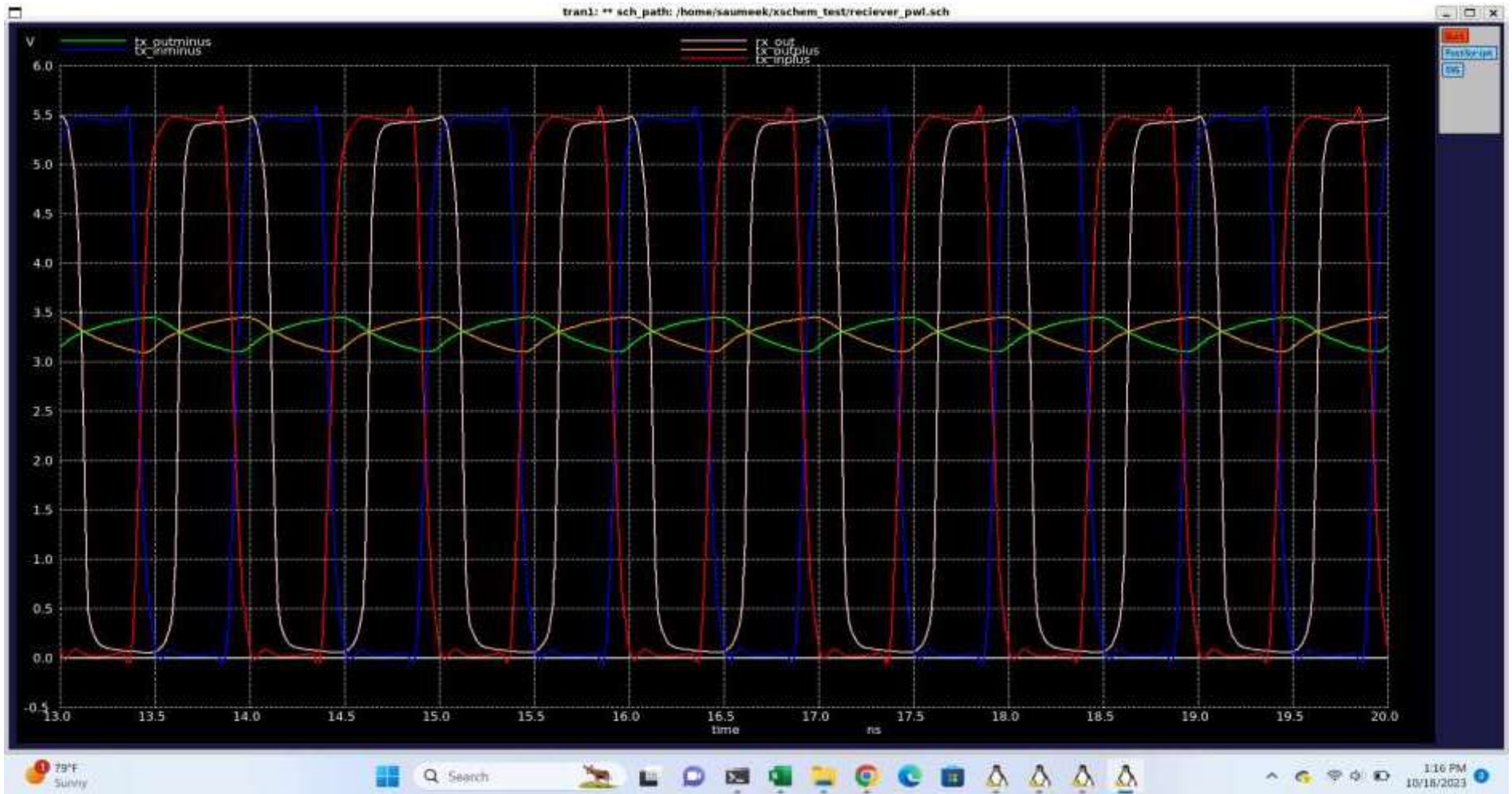


Model    Vcc    Temp  
sf       5       125

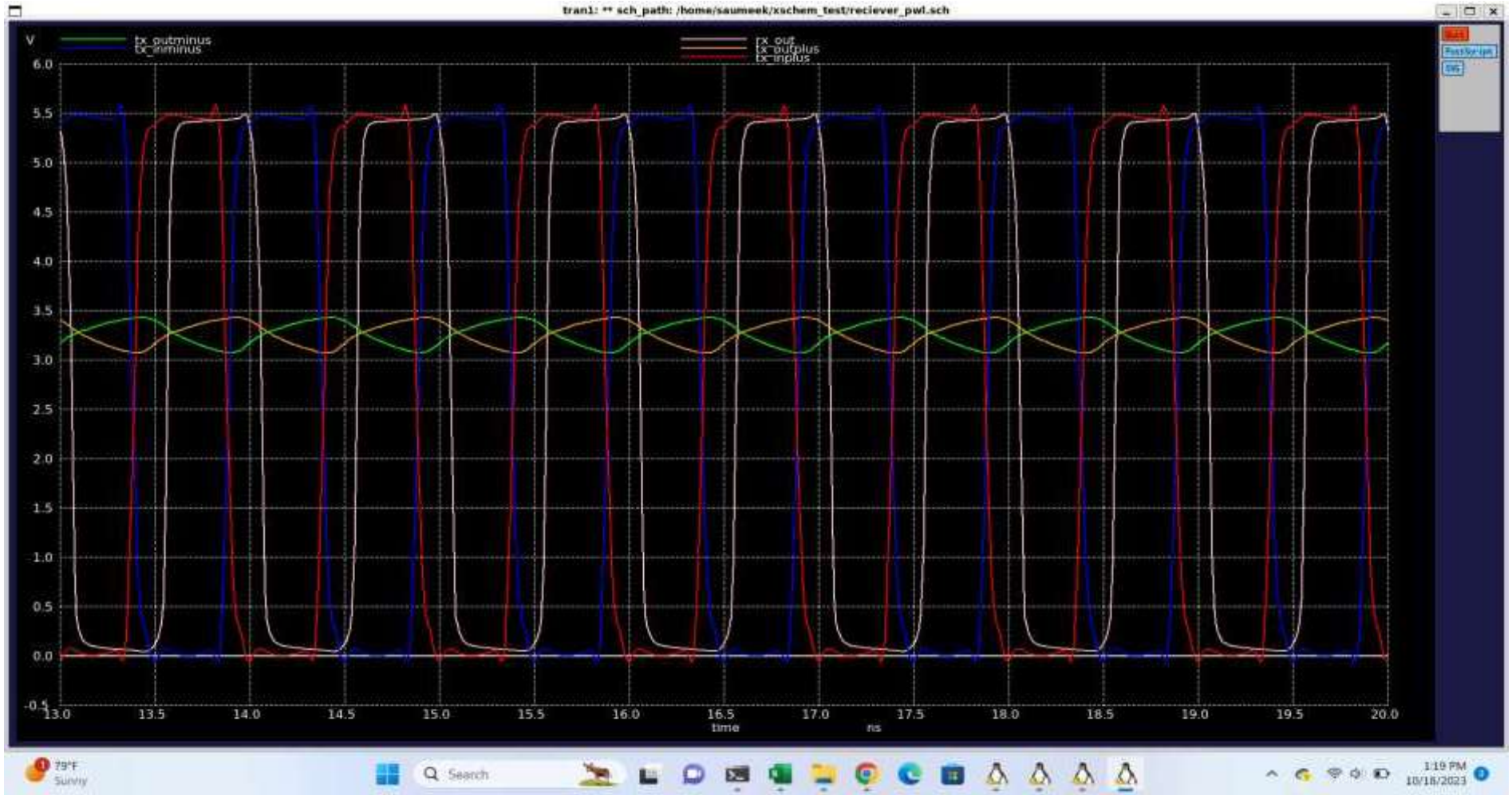


Simulation at 5.5V

Model    Vcc    Temp  
tt       5.5    25

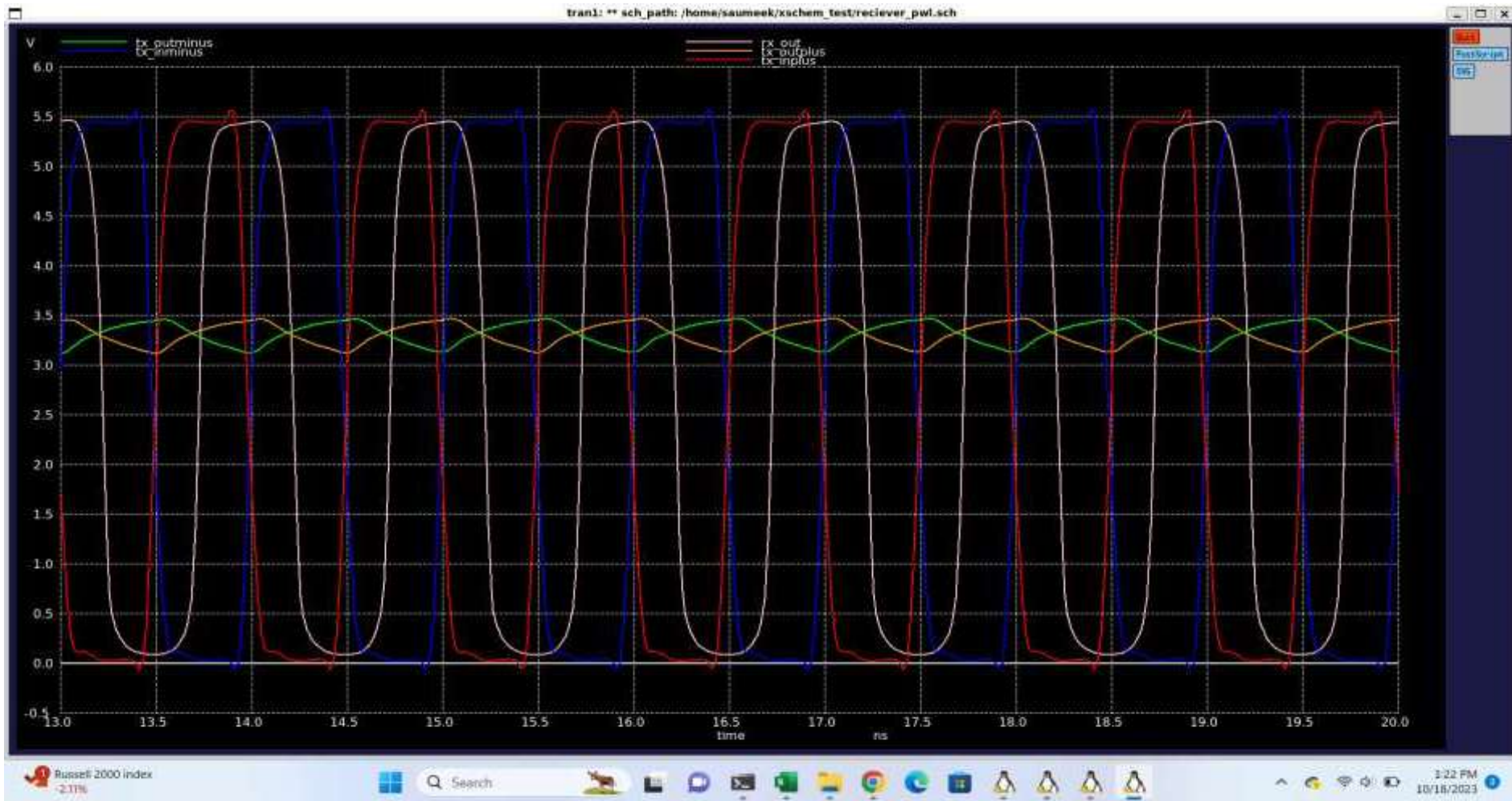


Model Vcc Temp  
tt 5.5 -40

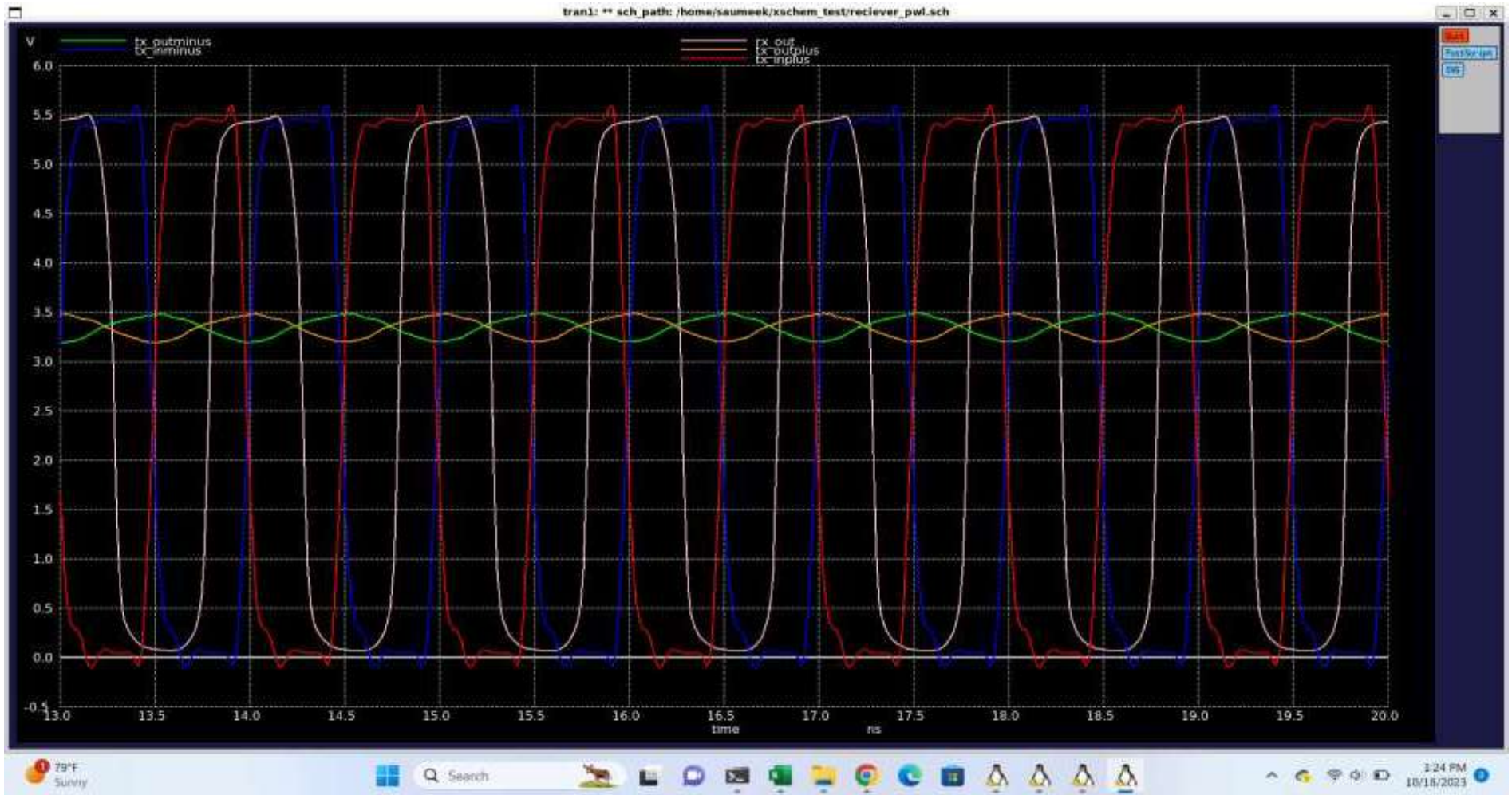




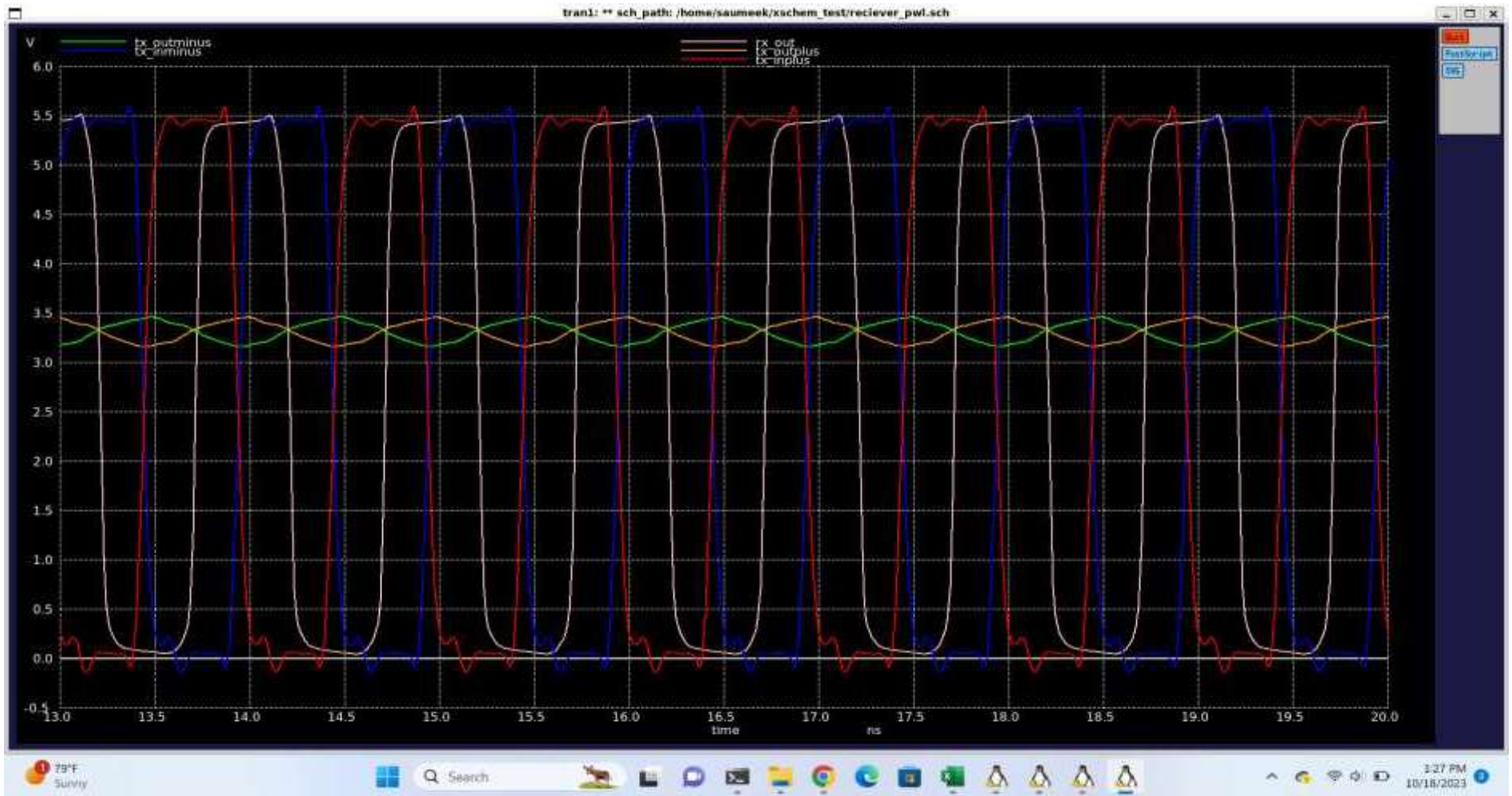
Model Vcc Temp  
tt 5.5 125



Model Vcc Temp  
ss 5.5 27

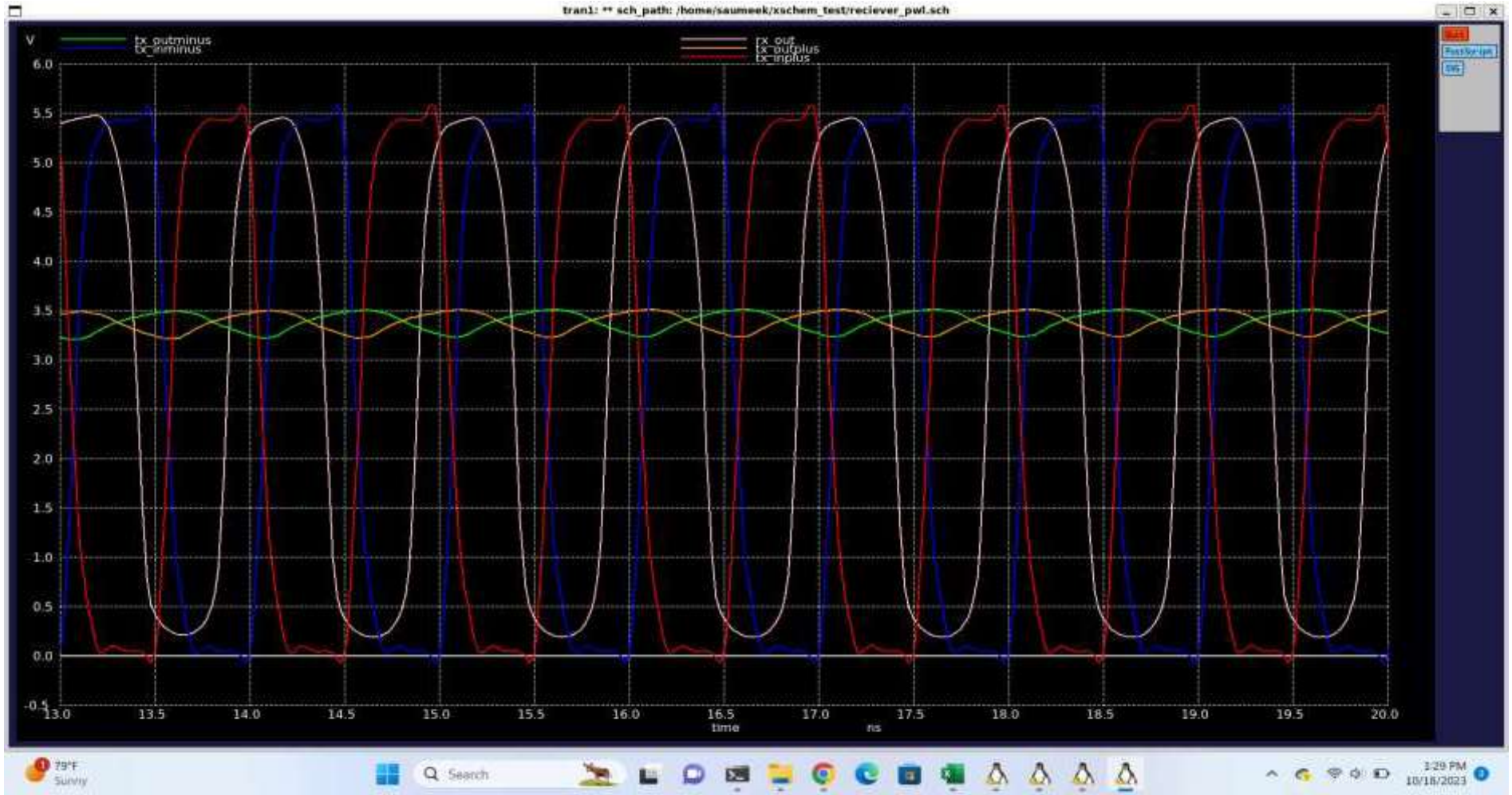


Model Vcc Temp  
ss 5.5 -40





Model Vcc Temp  
ss 5.5 125

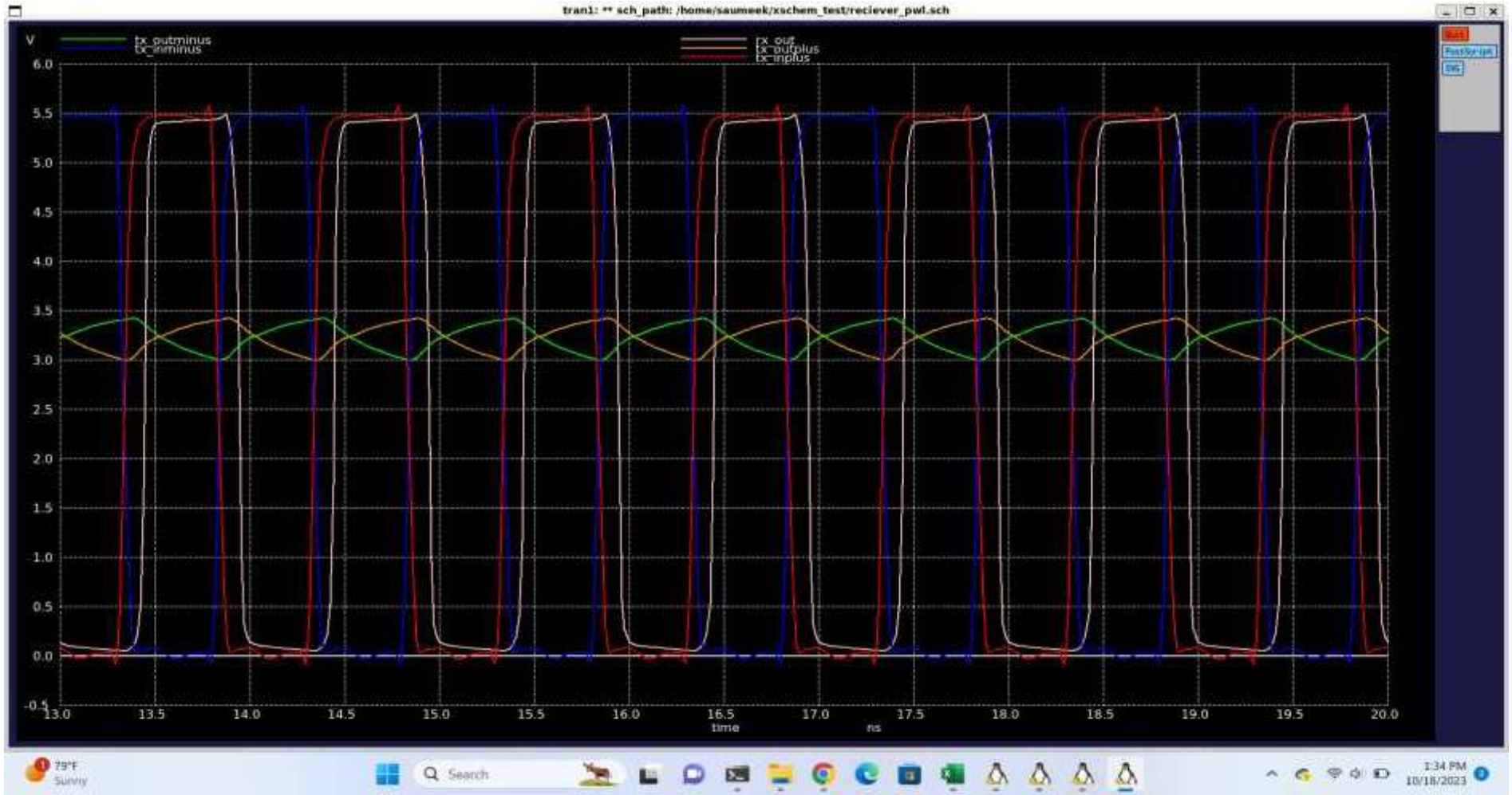




Model    Vcc    Temp  
ff        5.5    27



Model    Vcc    Temp  
ff       5.5    -40



Model    Vcc    Temp  
ff       5.5    125

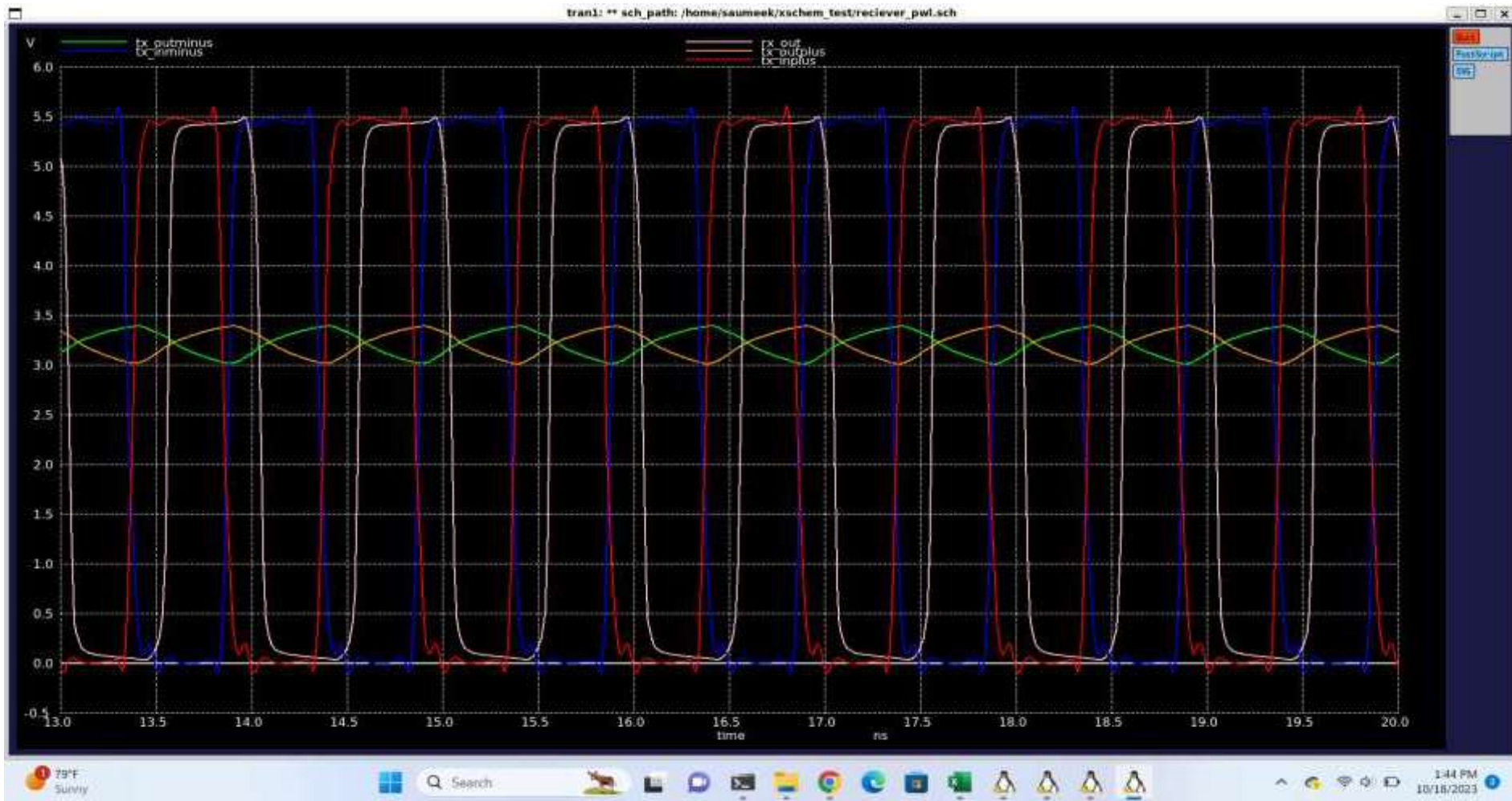




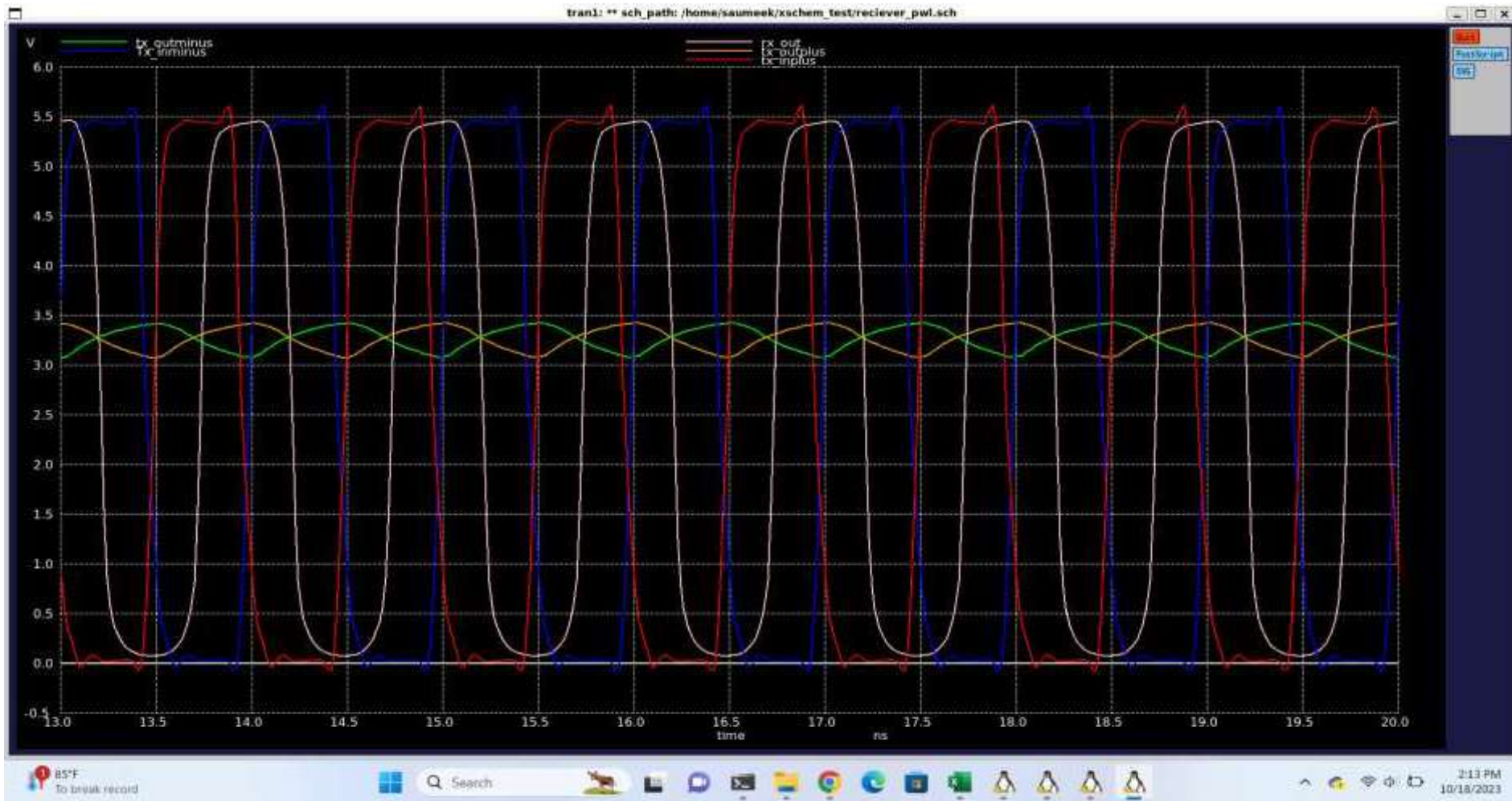
Model Vcc Temp  
fs 5.5 27



Model Vcc Temp  
fs 5.5 -40



Model Vcc Temp  
fs 5.5 125

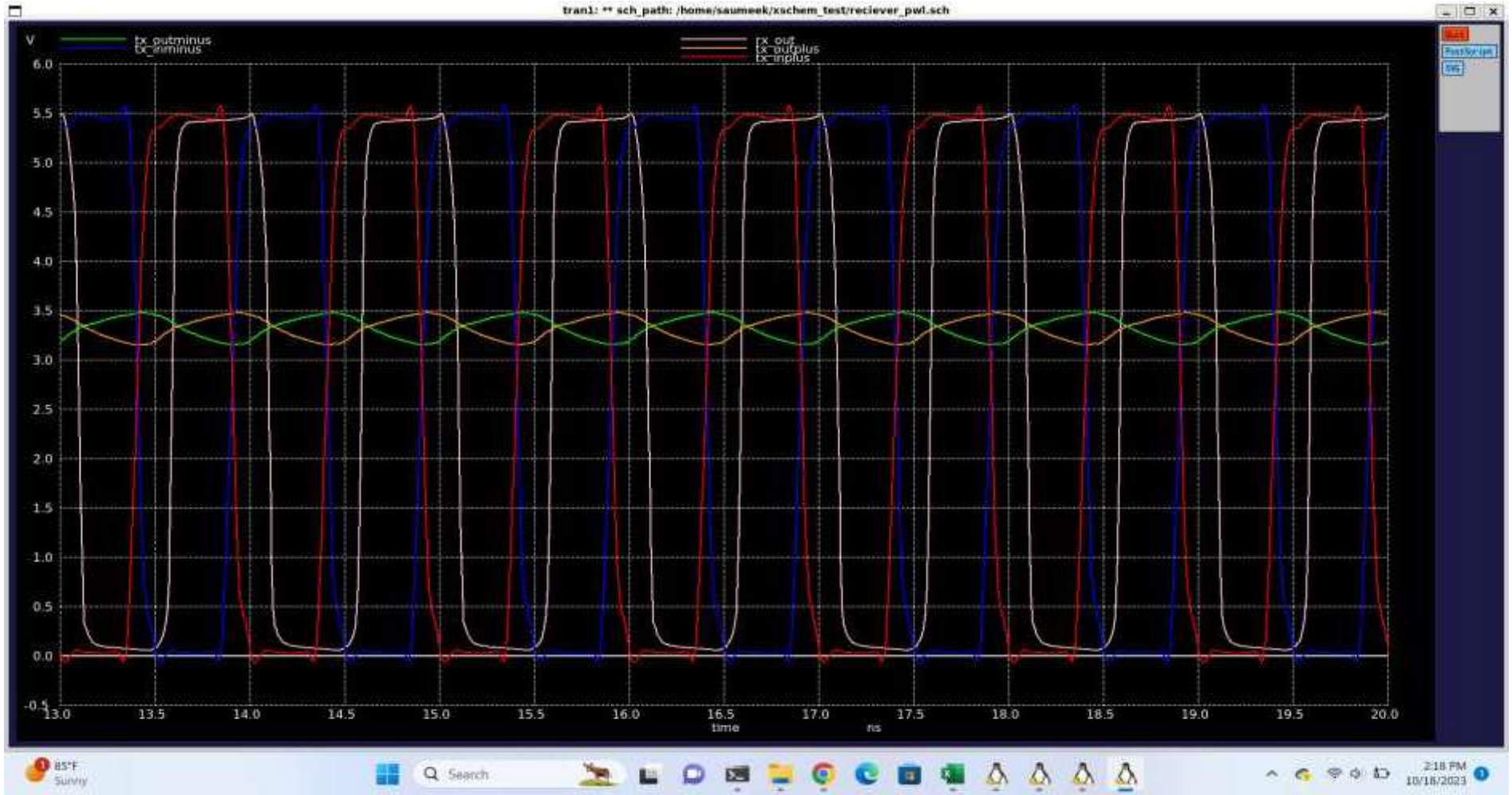




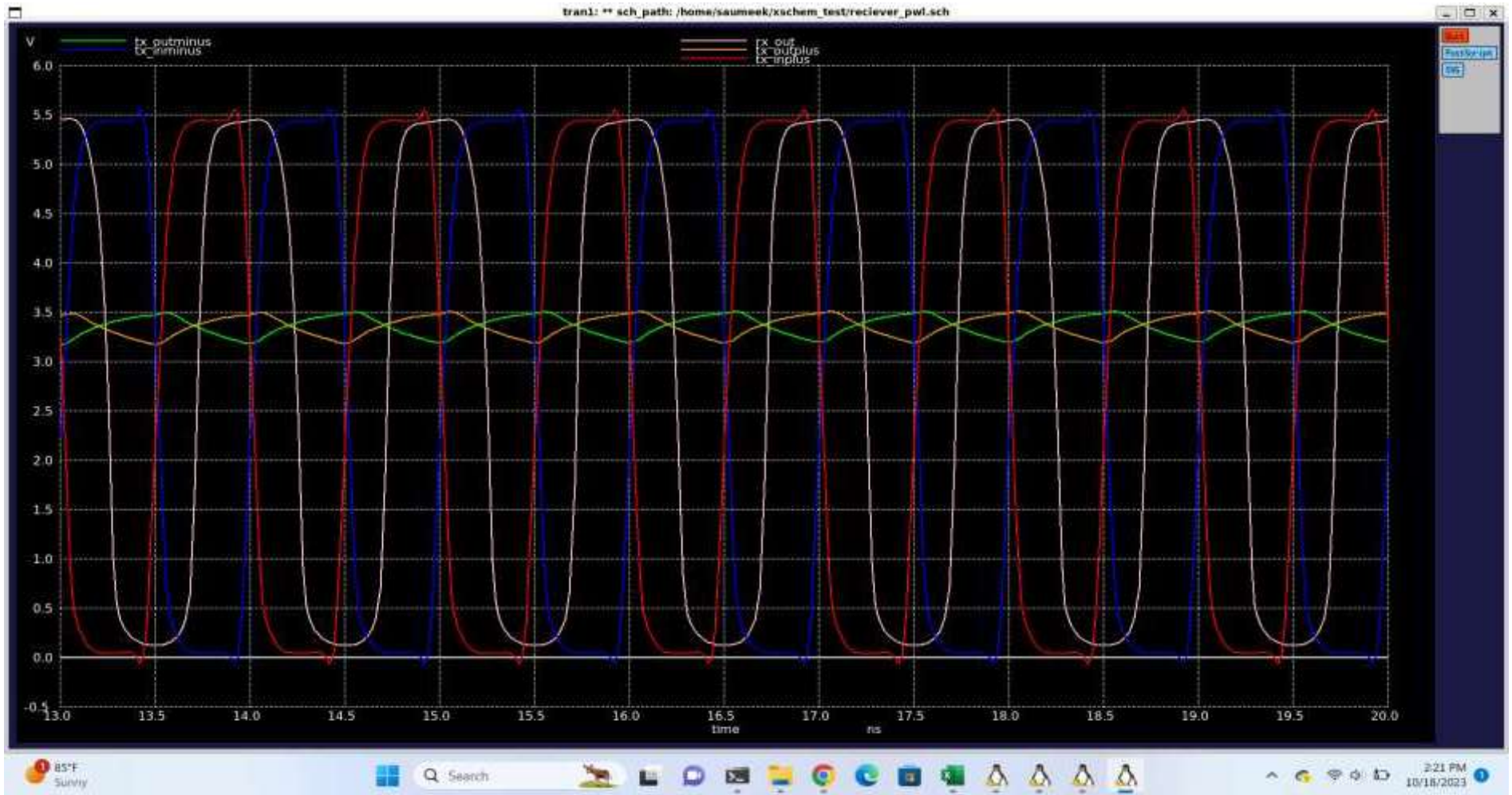
Model Vcc Temp  
sf 5.5 27



Model Vcc Temp  
sf 5.5 -40



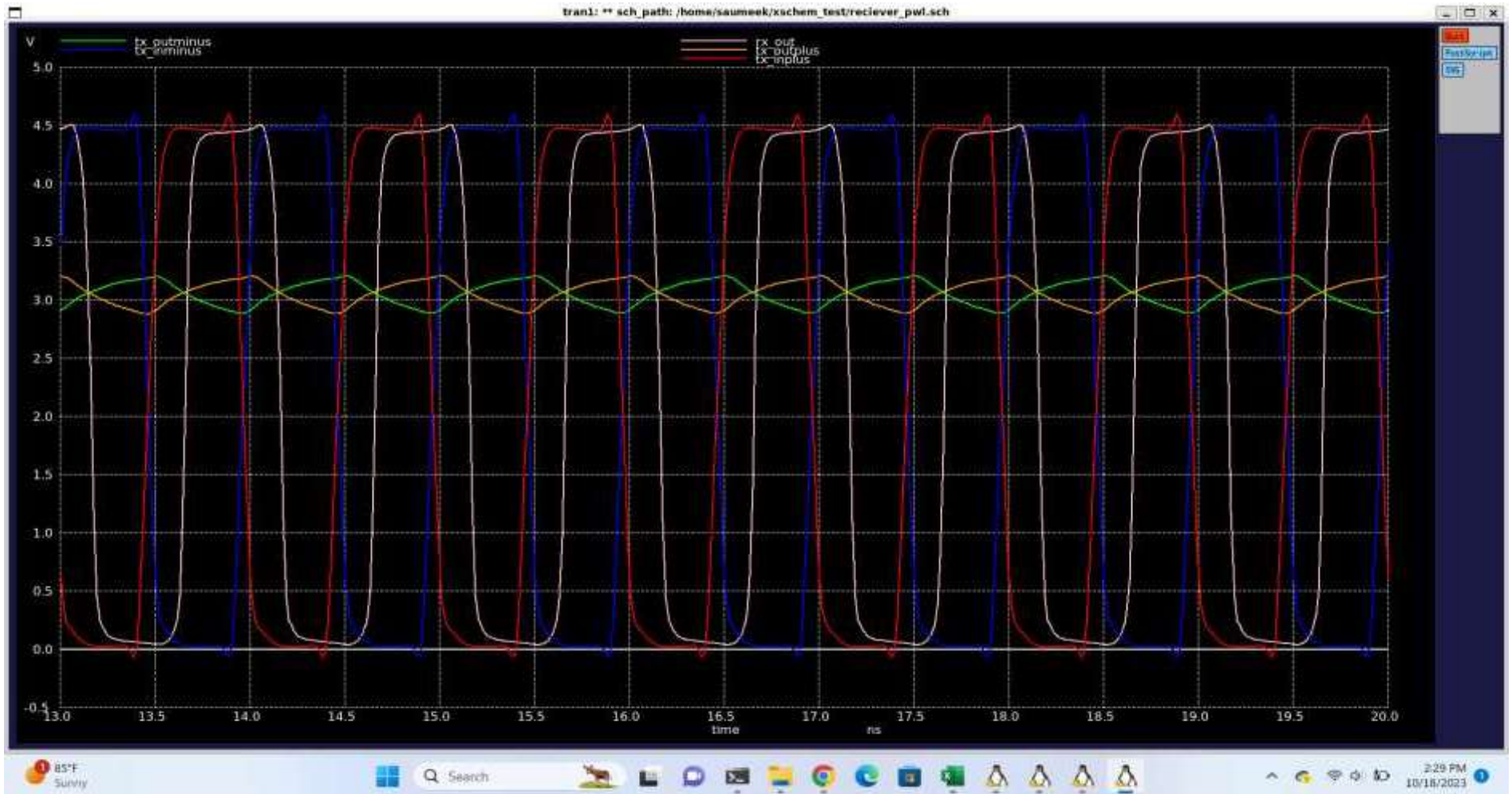
Model Vcc Temp  
sf 5.5 125



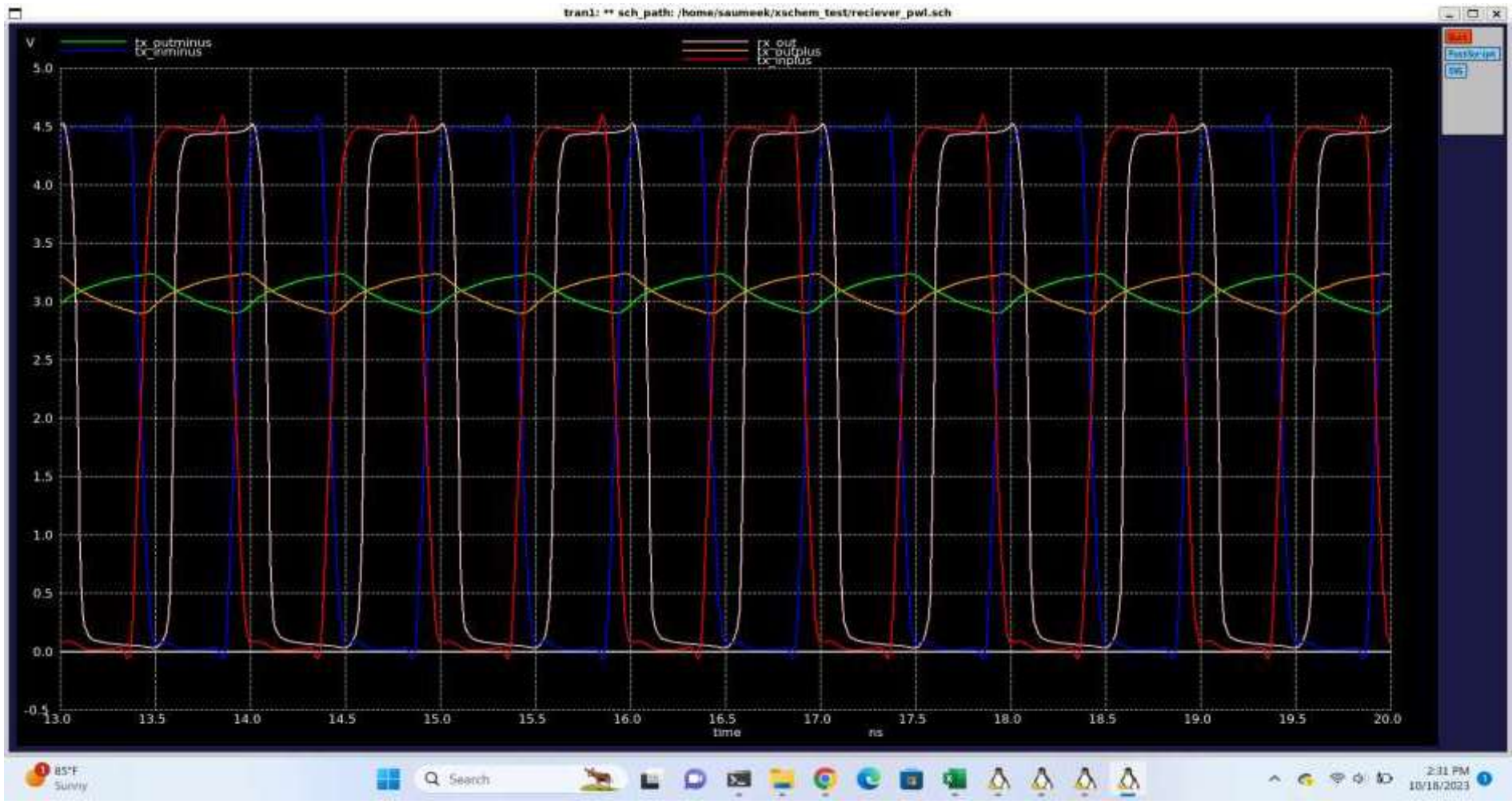


Simulation at 4.5V

Model    Vcc    Temp  
tt       4.5    25

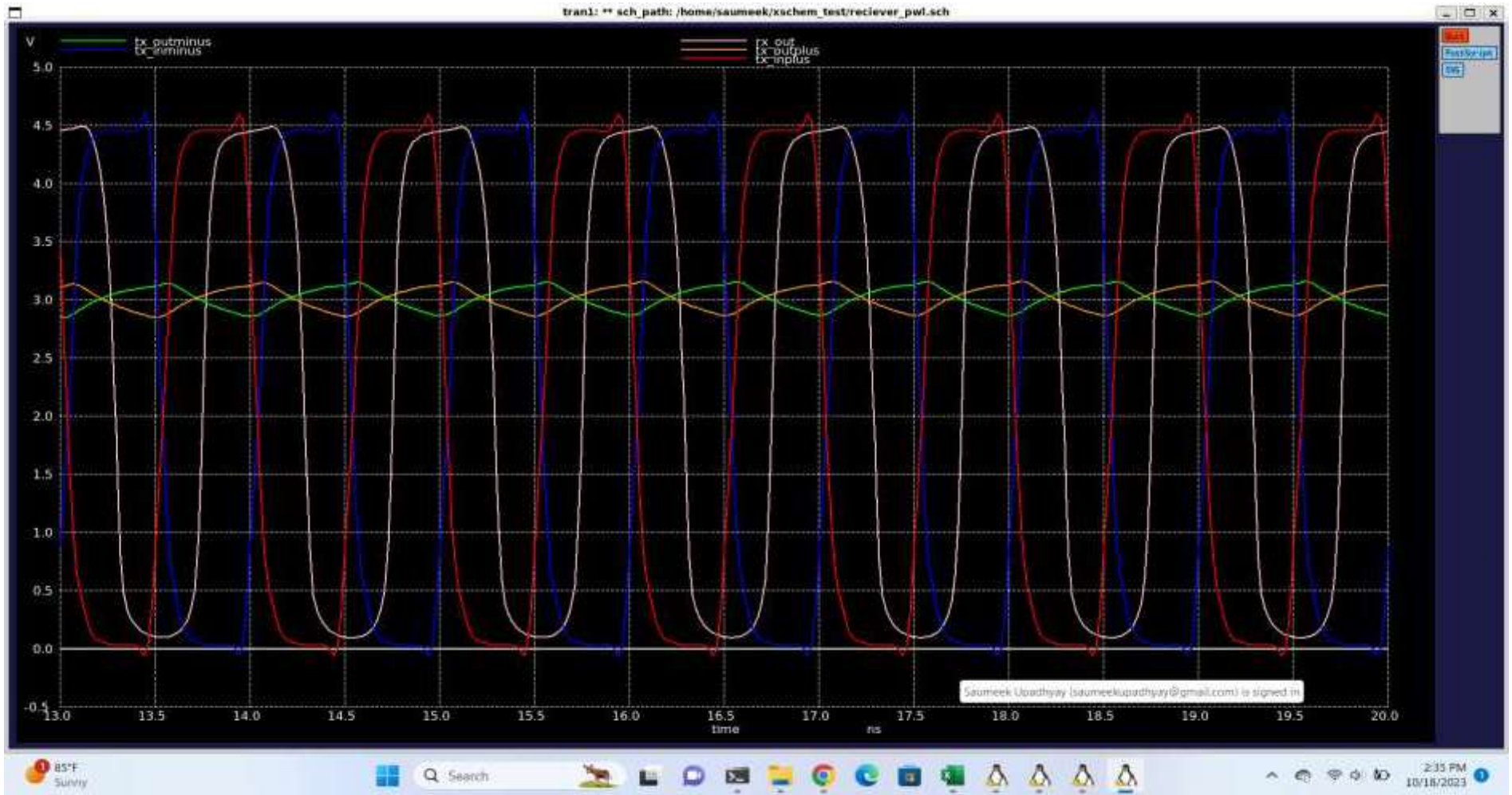


Model Vcc Temp  
tt 4.5 -40

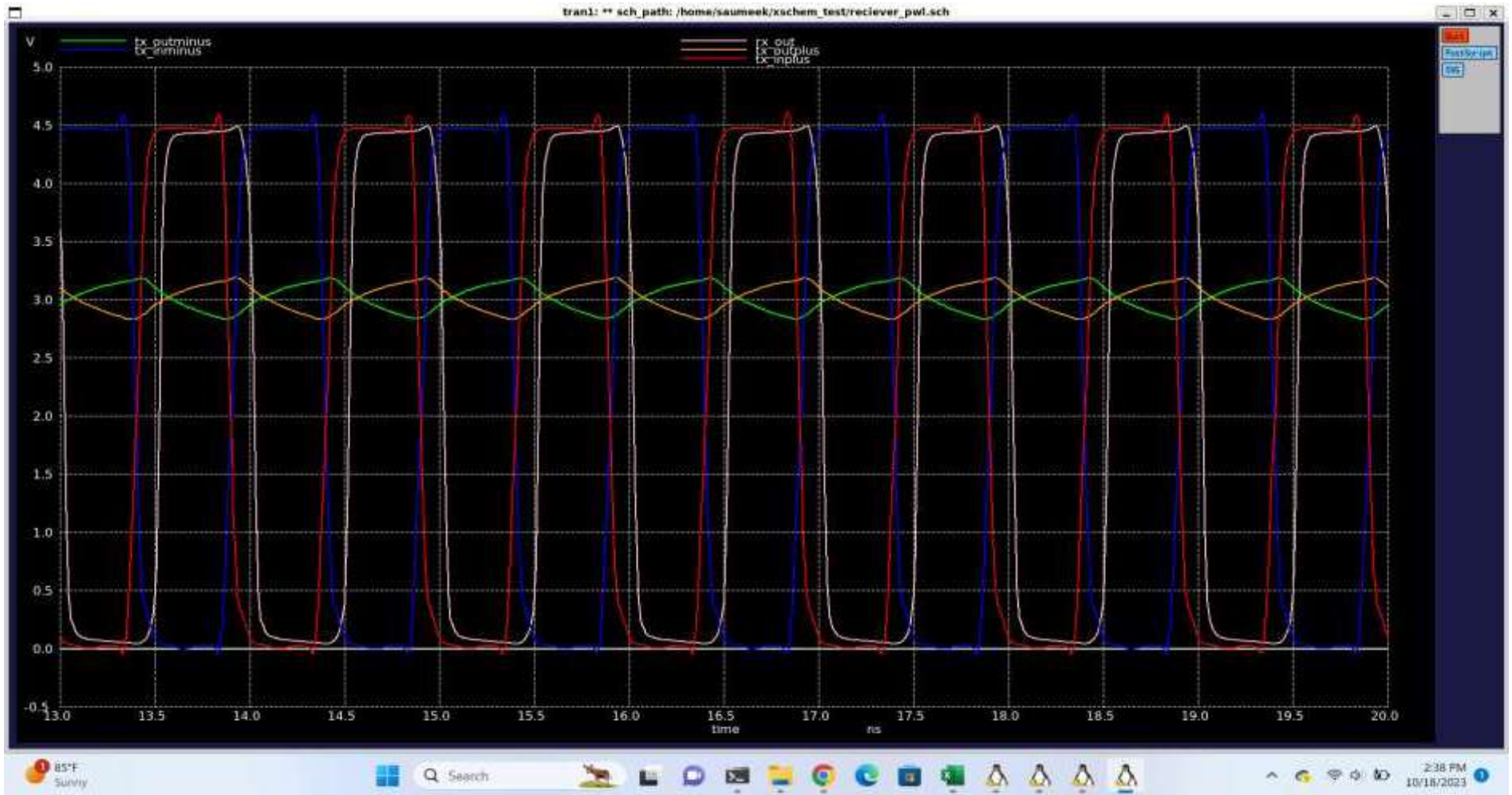




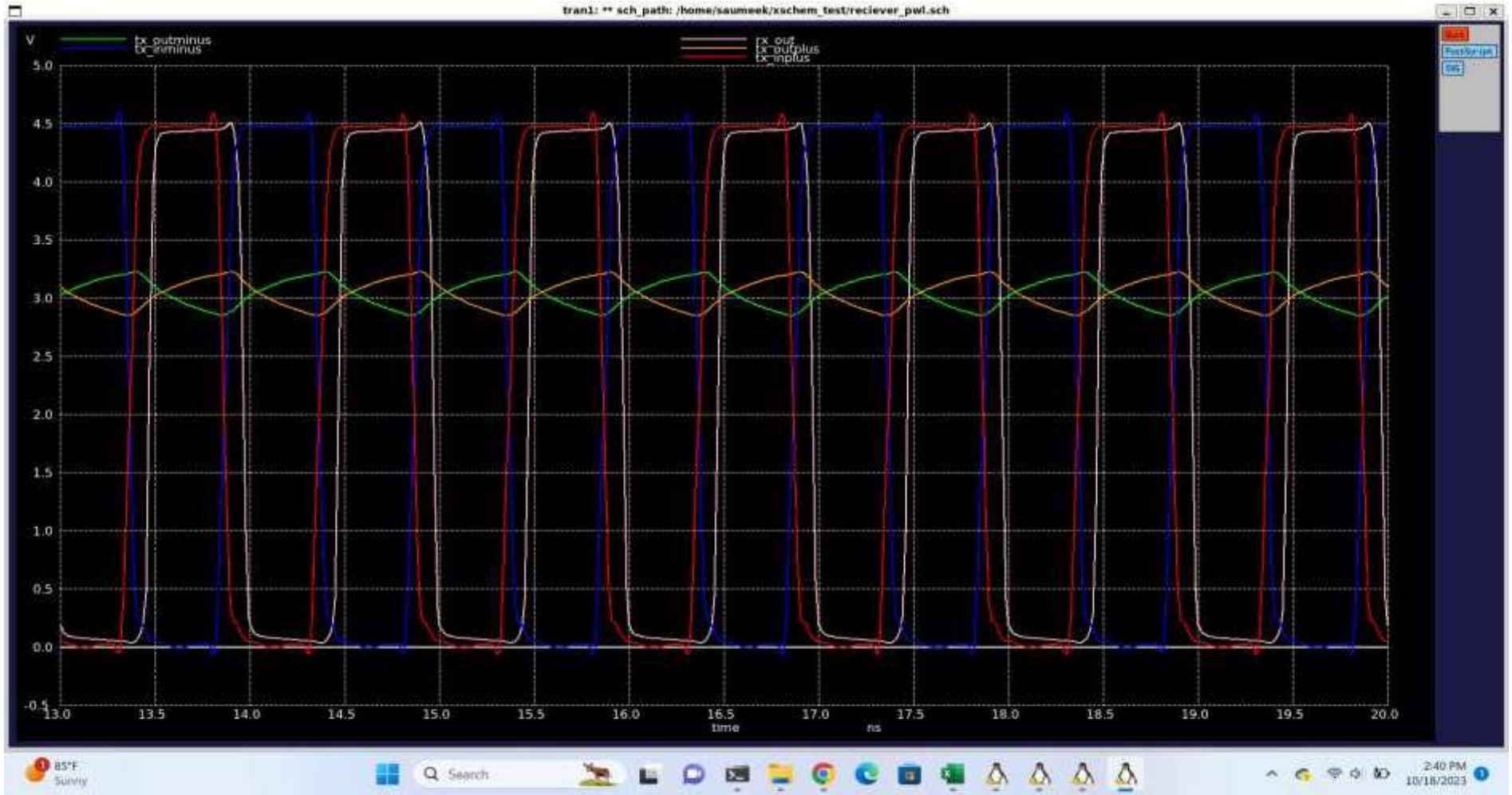
Model Vcc Temp  
tt 4.5 125



Model Vcc Temp  
ff 4.5 25

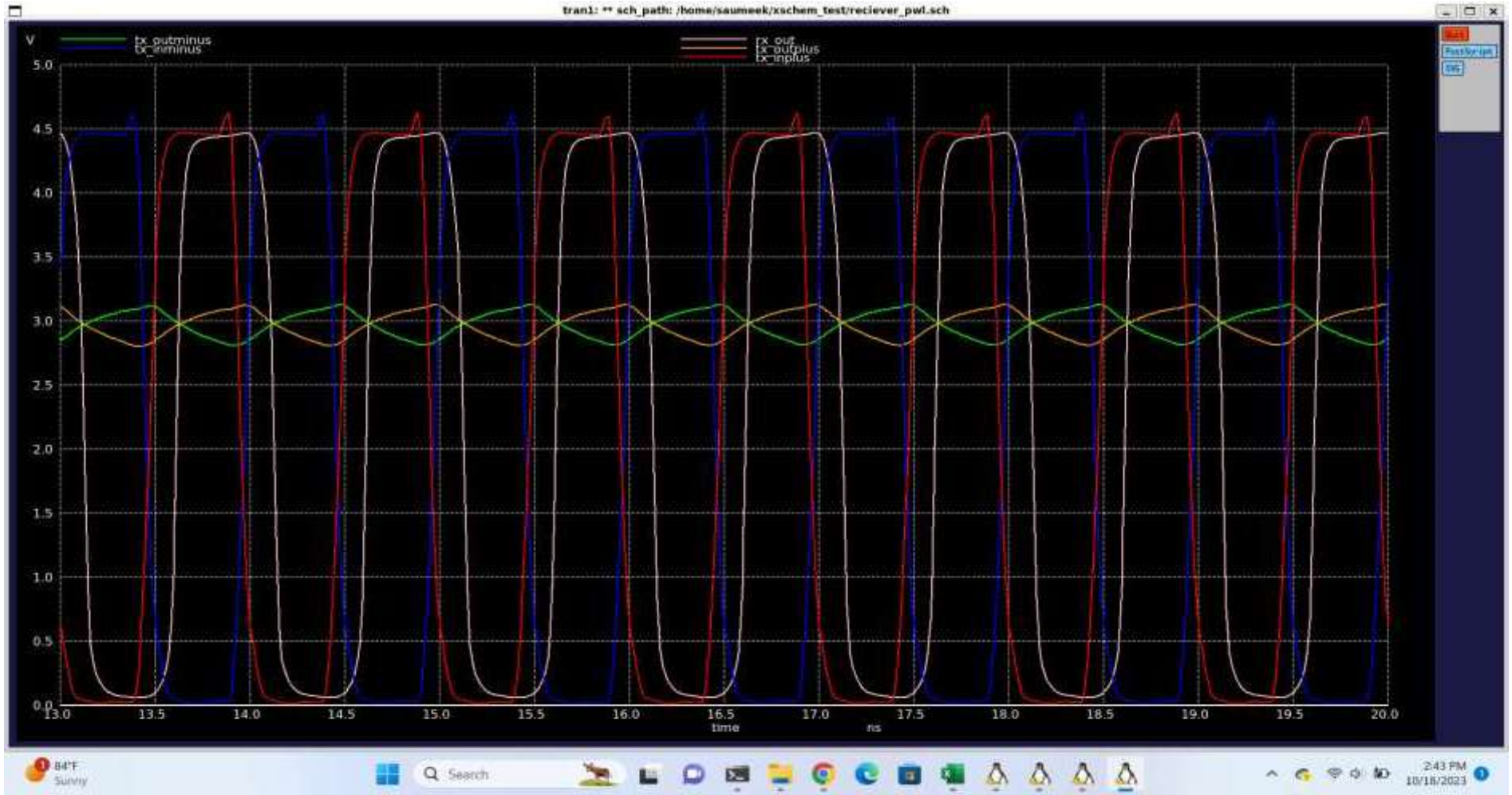


Model    Vcc    Temp  
ff       4.5    -40

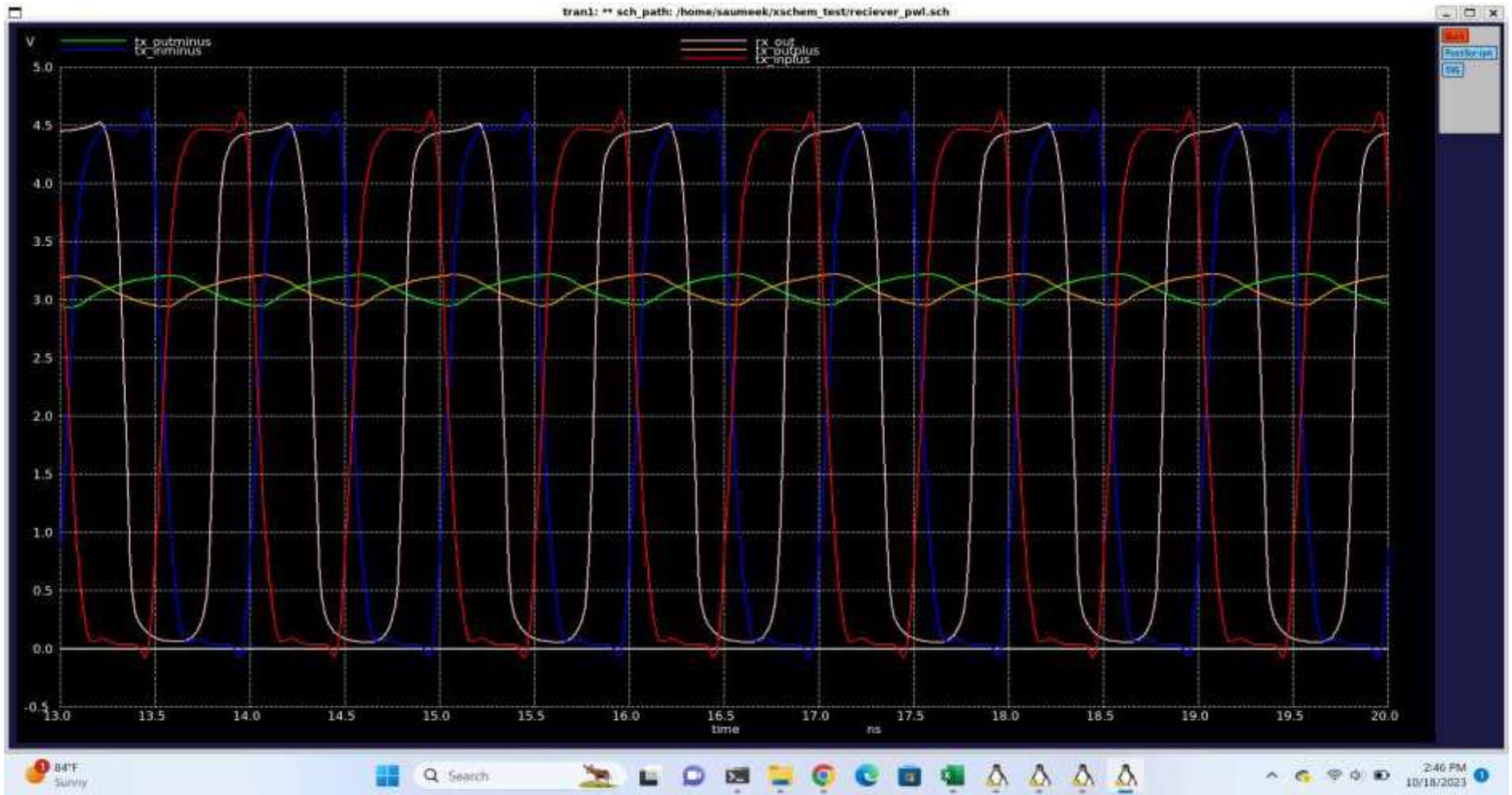




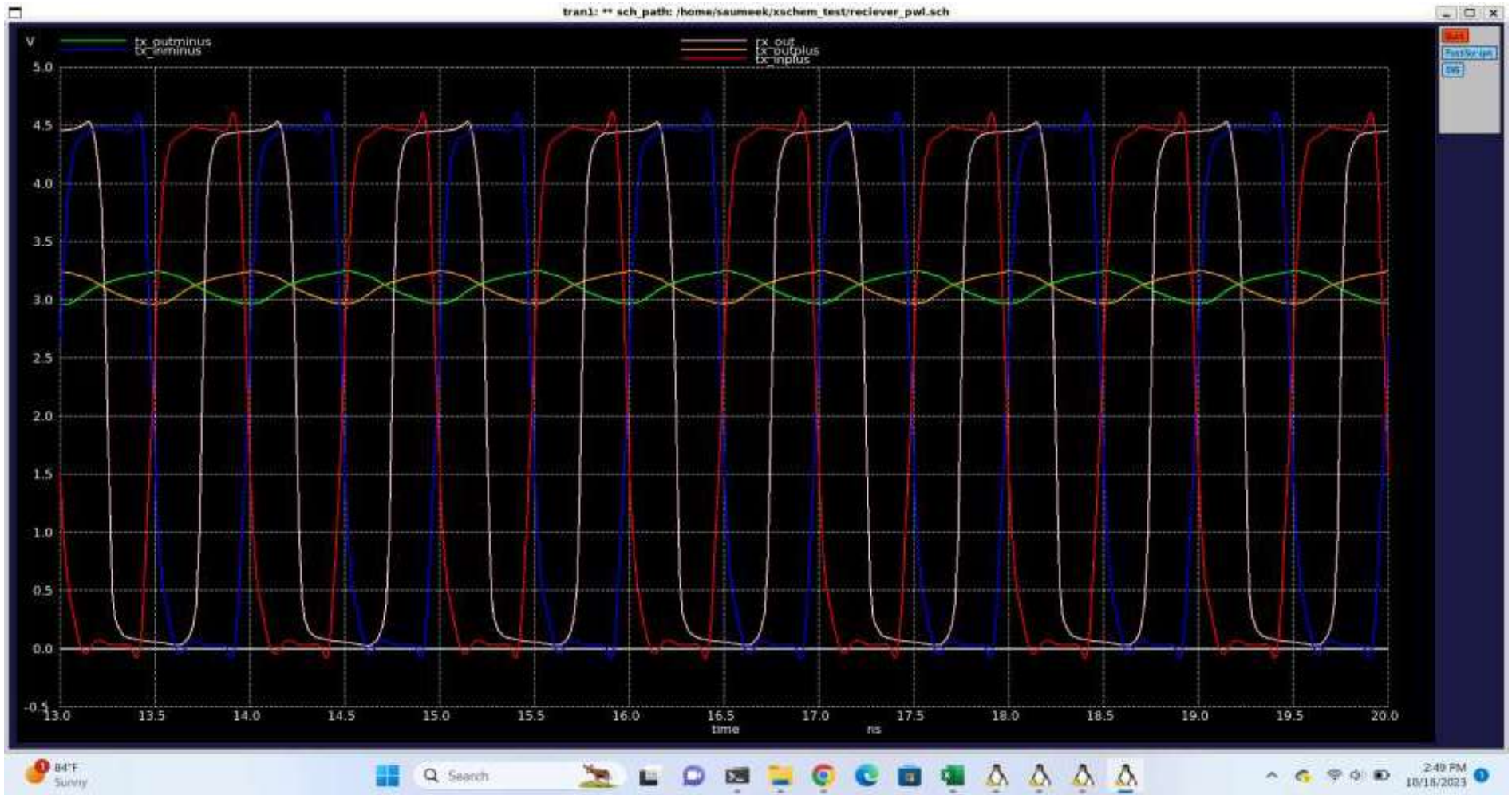
Model Vcc Temp  
ff 4.5 125



Model    Vcc    Temp  
ss       4.5    25

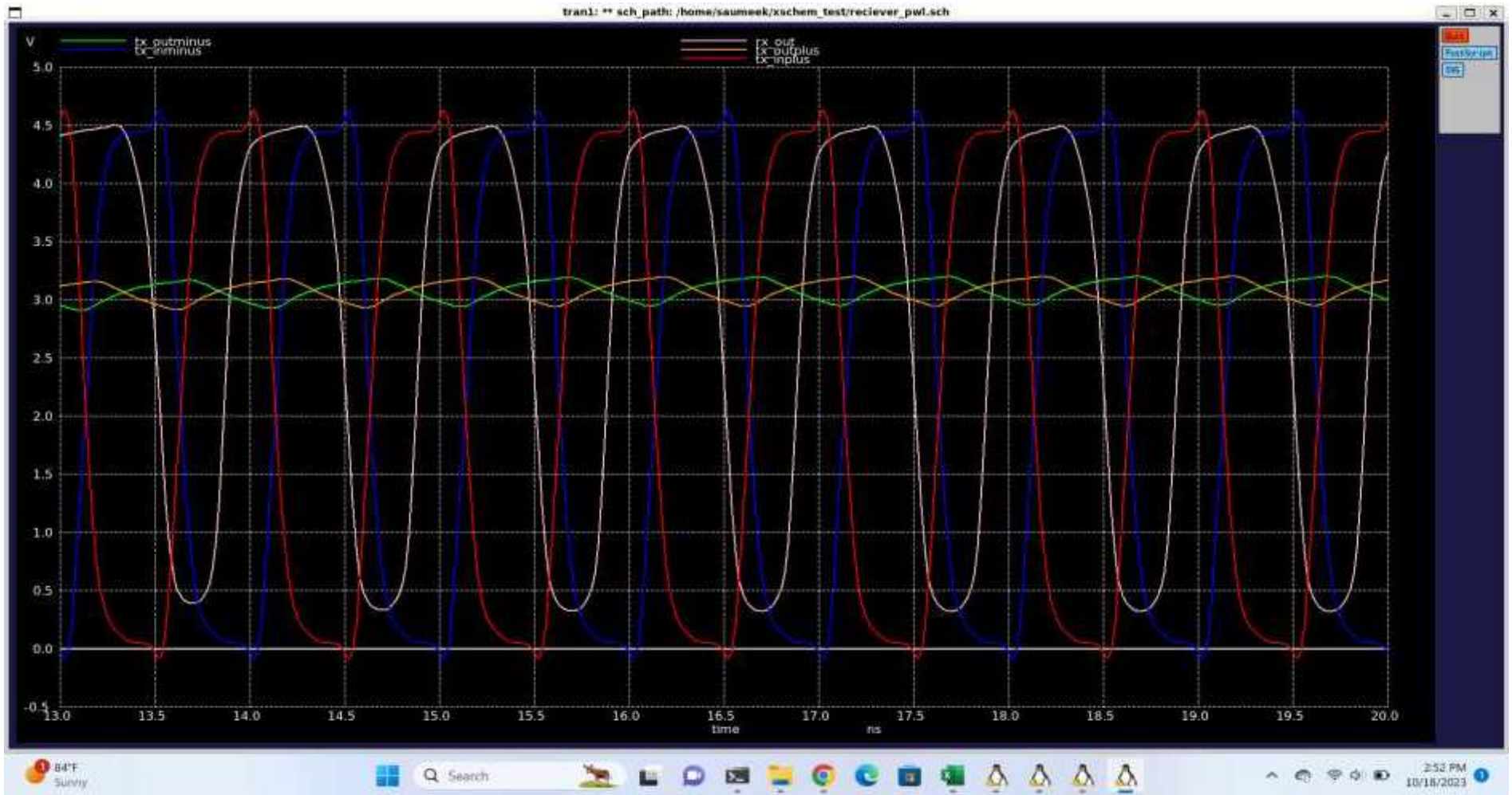


Model Vcc Temp  
ss 4.5 -40

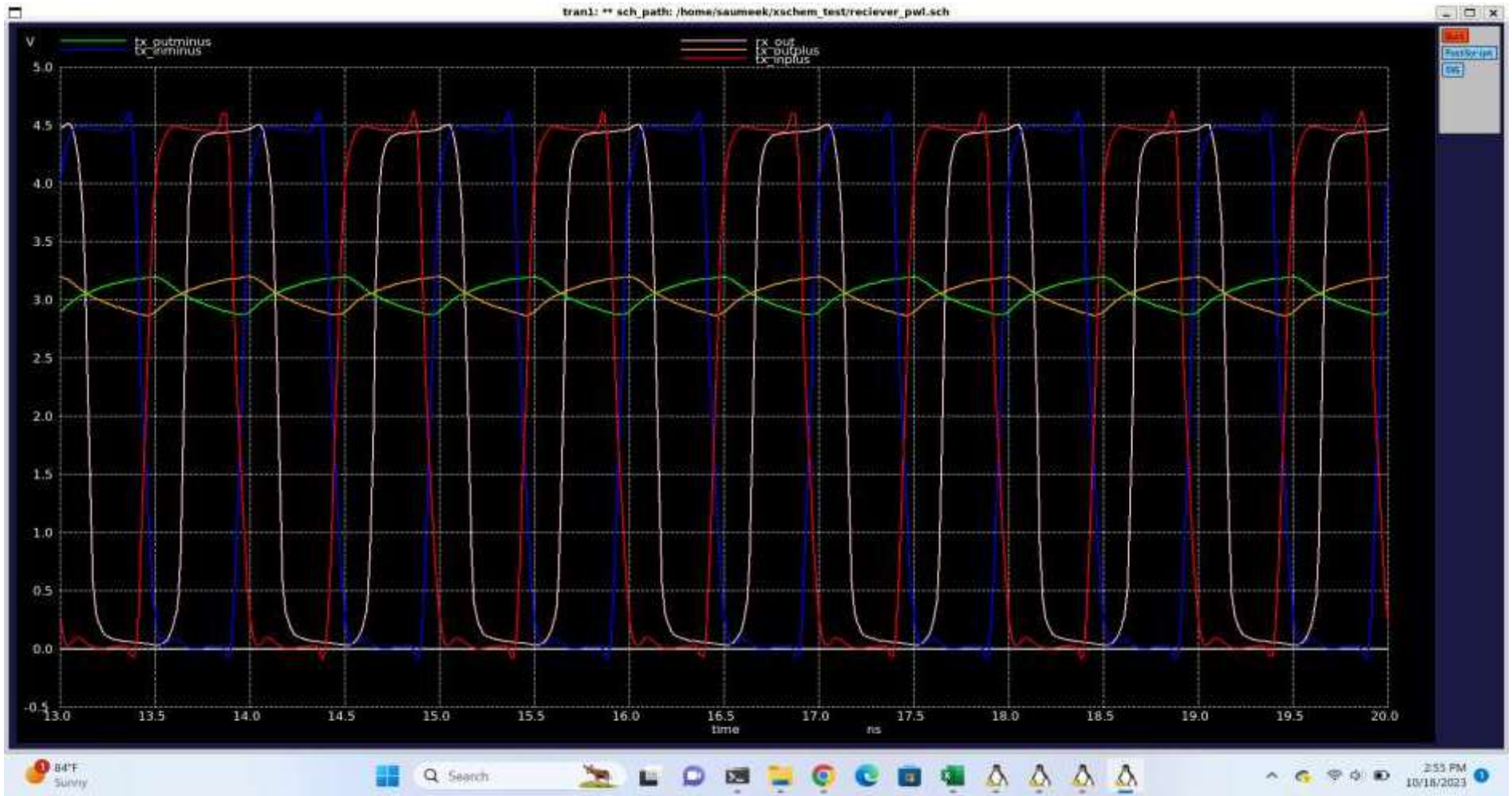




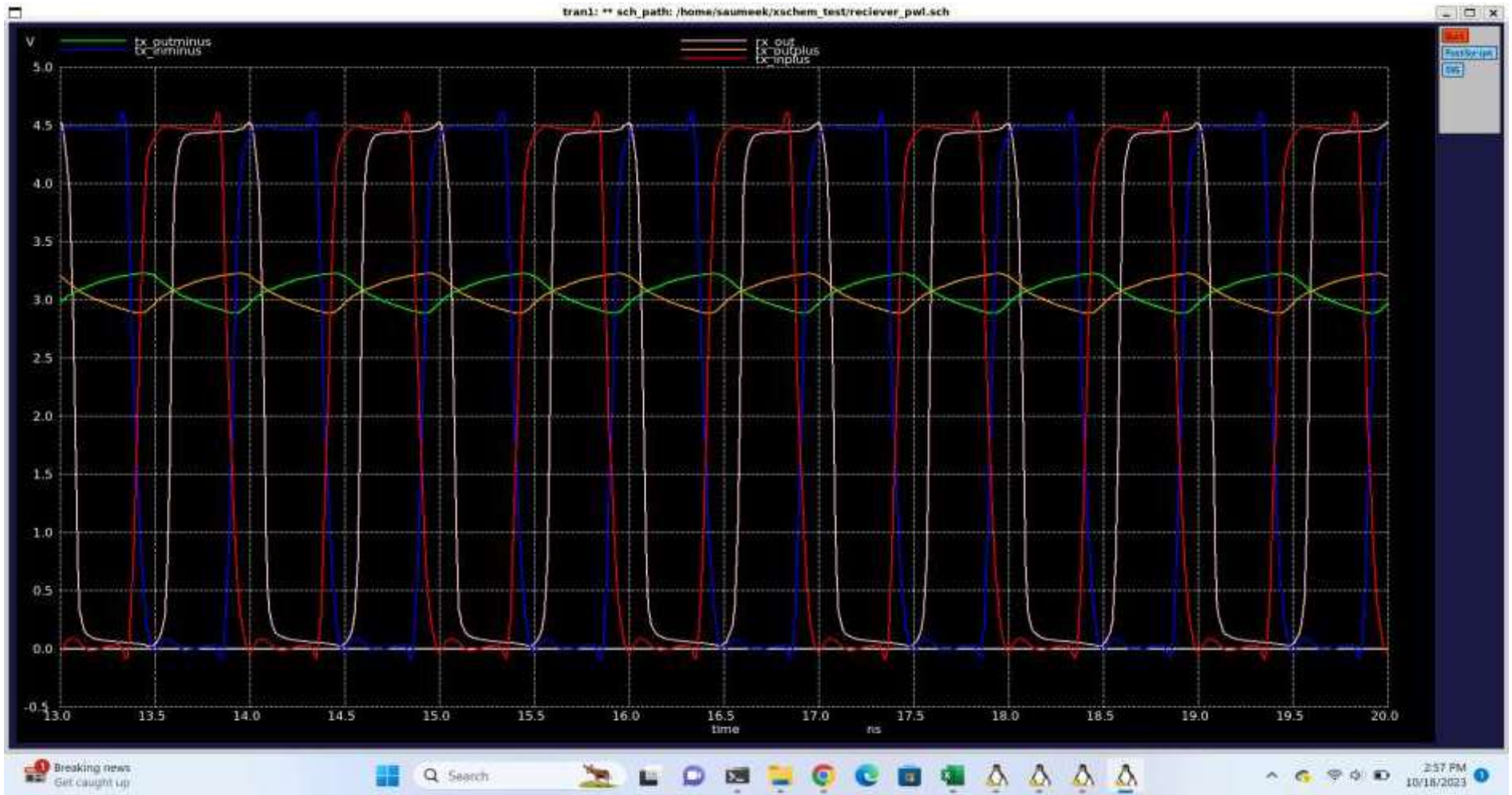
Model    Vcc    Temp  
ss       4.5    125



Model	Vcc	Temp
fs	4.5	25

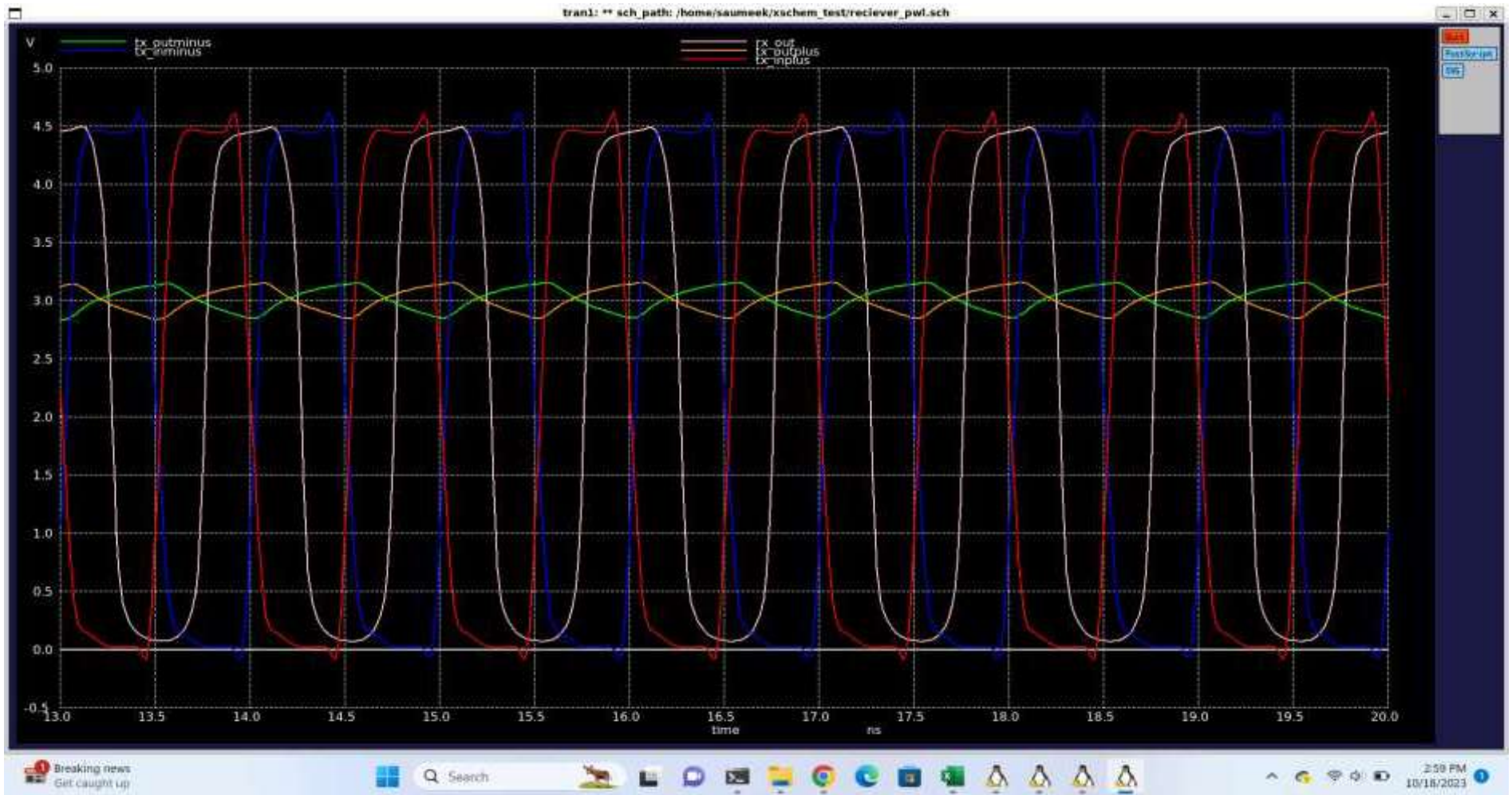


Model    Vcc    Temp  
fs        4.5    -40

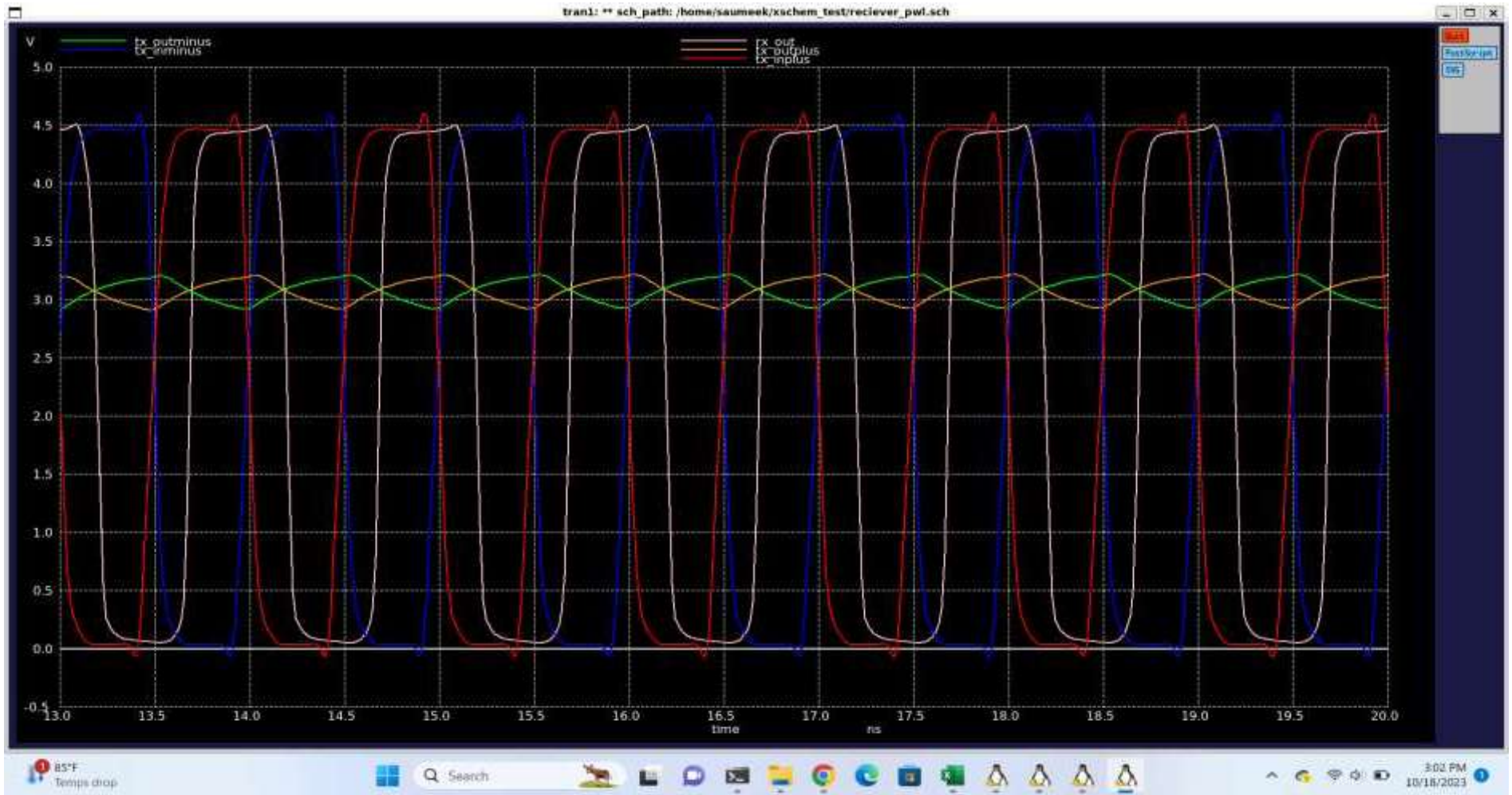




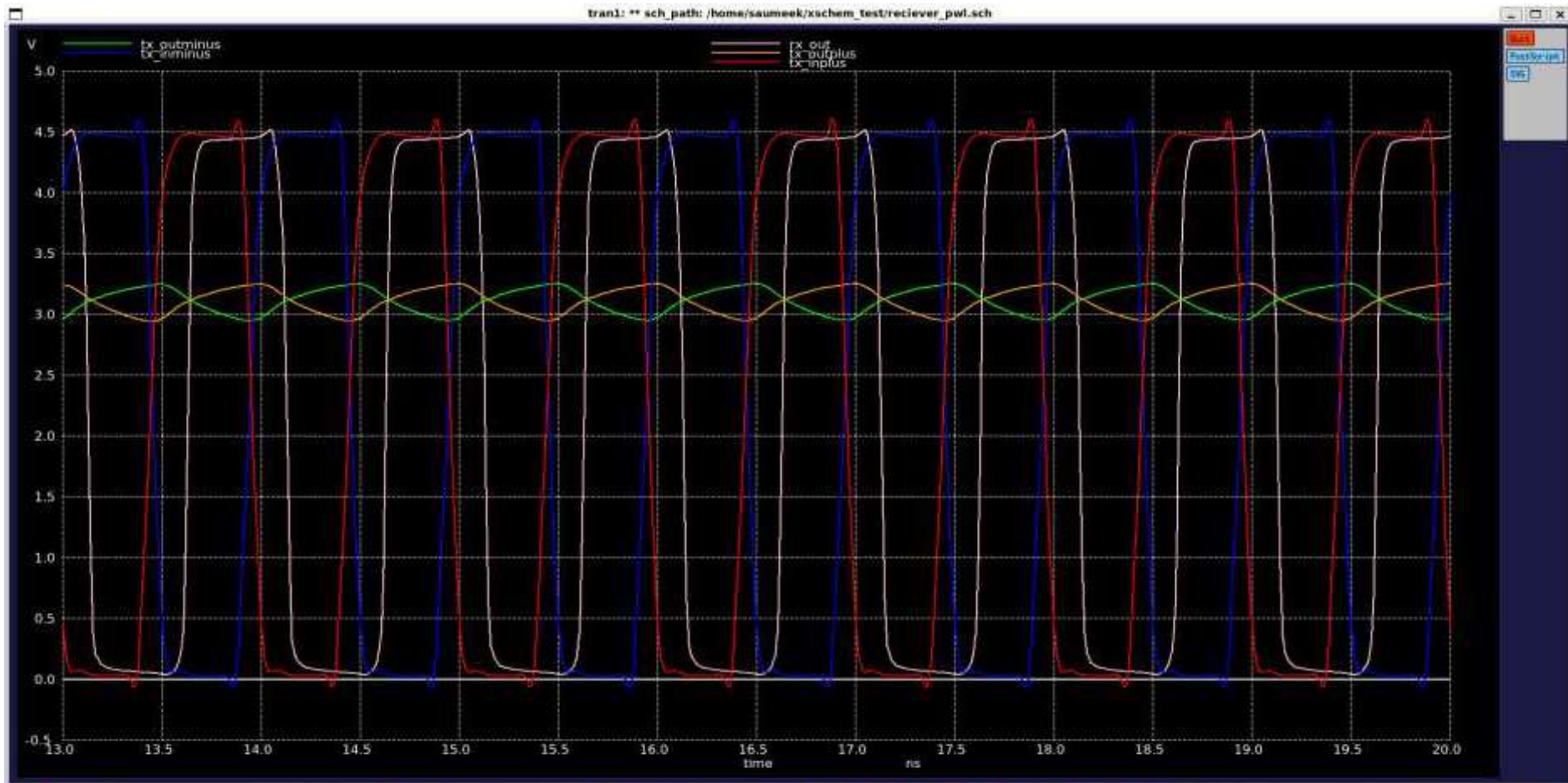
Model Vcc Temp  
fs 4.5 125



Model Vcc Temp  
sf 4.5 25



Model    Vcc    Temp  
sf        4.5    -40





Model Vcc Temp  
sf 4.5 125

