

DISCLAIMER

* TSU5611

* (C) Copyright 2011 Texas Instruments Incorporated. All rights reserved.

** This model is designed as an aid for customers of Texas Instruments.

** TI and its licensors and suppliers make no warranties, either expressed

** or implied, with respect to this model, including the warranties of

** merchantability or fitness for a particular purpose. The model is

** provided solely on an "as is" basis. The entire risk as to its quality

** and performance is with the customer.

1) THE ACCURACY OF THE HSPICE MODELS PROVIDED TO YOUR COMPANY;

2) THE PROPER FUNCTIONING OF THESE HSPICE MODELS IN YOUR DESIGN
OR FOR ANY RESULTING APPLICATIONS; OR

3) INFRINGEMENT OF PATENTS, COPYRIGHTS OR INTELLECTUAL PROPERTY
RIGHTS RESULTING FROM YOUR USE OF THESE HSPICE MODELS.

TI PROVIDES HSPICE MODELS AS A SERVICE TO OUR CUSTOMERS.
YOU AND YOUR COMPANY SHALL NOT DISTRIBUTE, SELL OR GIVE
THESE MODELS TO ANYONE ELSE WITHOUT PRIOR WRITTEN
PERMISSION FROM TI.

TI RESERVES THE RIGHT TO MAKE CHANGES TO OUR PRODUCTS OR
TO DISCONTINUE ANY SEMICONDUCTOR PRODUCT OR SERVICE
WITHOUT NOTICE, AND ADVISES OUR CUSTOMERS TO OBTAIN THE
LATEST VERSION OF RELEVANT INFORMATION TO VERIFY, BEFORE
PLACING ORDERS, THAT THE INFORMATION BEING RELIED ON IS
CURRENT.

PLEASE BE AWARE THAT YOUR RECEIPT AND USE OF THE HSPICE
INFORMATION PROVIDED SHALL SERVE AS ACCEPTANCE OF THESE
TERMS AND CONDITIONS. IF YOU DO NOT ACCEPT THESE TERMS, YOU
SHOULD RETURN OR DESTROY THE HSPICE MODELS AND ANY OTHER
ACCOMPANYING INFORMATION IMMEDIATELY.

File Description

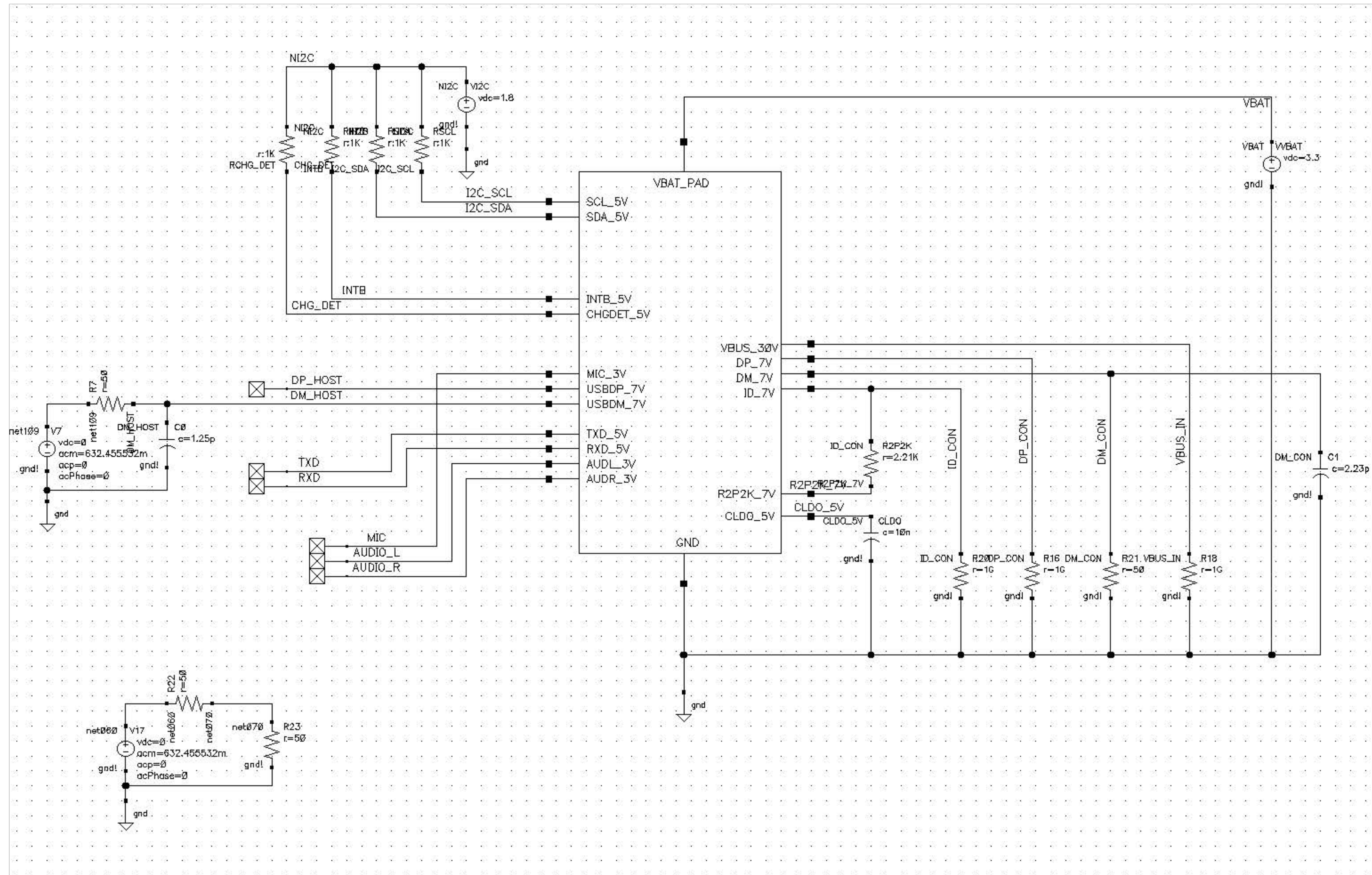
‘TSU5611 _test_bench.sp’ -which is the test bench- invokes other 2 files:

‘process_models_linux.lib’ –nominal process library, and ‘TSU5611_subckts_linux.sp’ –
subcircuits’ definition.

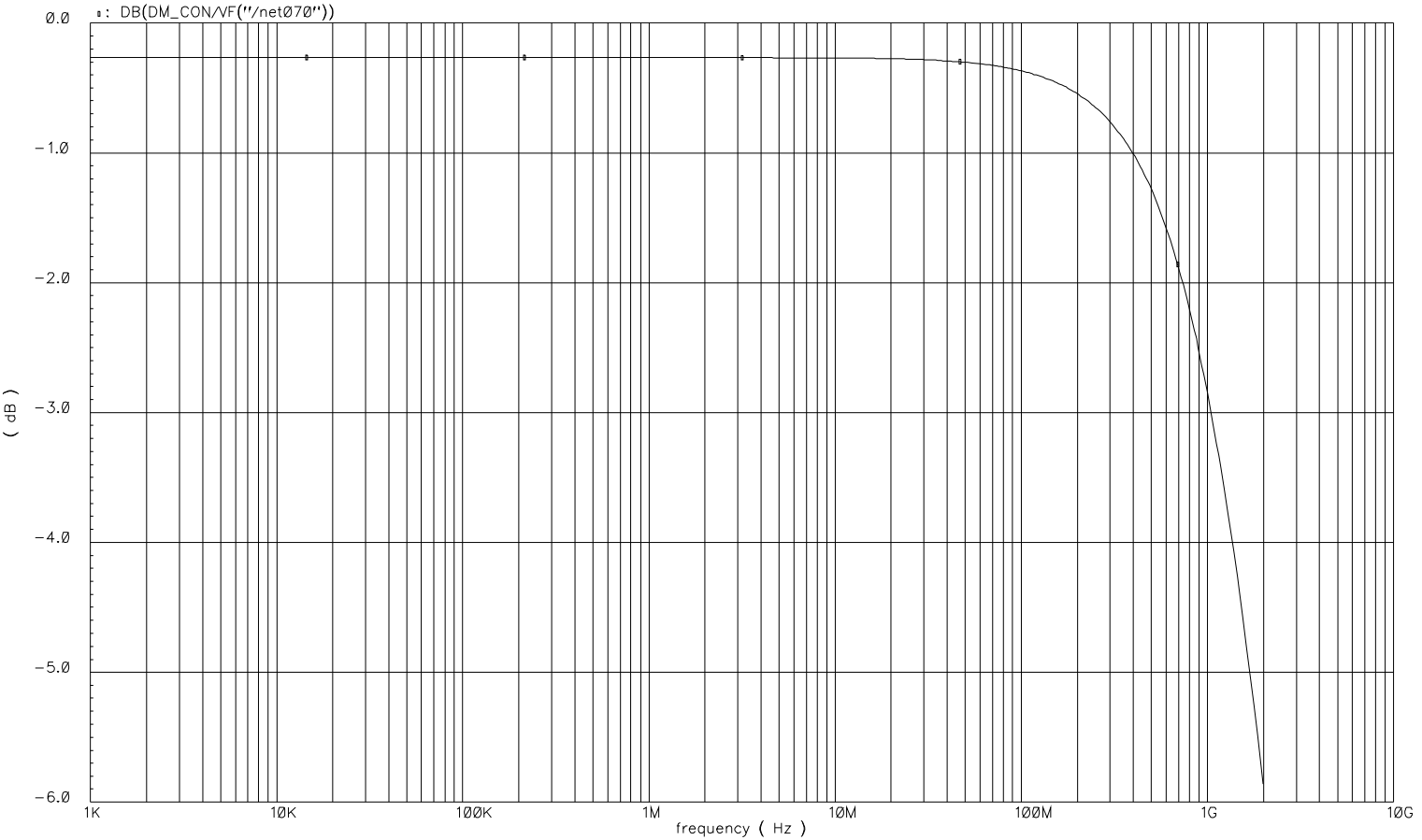
Instructions

- 1) Open your simulator HSPICE -- E-2010.12 32-BIT on Linux
- 2) On the file menu, open and run file 'TSU5611 _test_bench.sp'.

Plots of the test-setup schematic and simulation results are shown below:



Aug 16 10:35:29 2011
TSU5611: AC Response



A: (1.58489K -376.287m) delta: (1.11932G -2.9991)
B: (1.11932G -3.37538) slope: -2.6794n