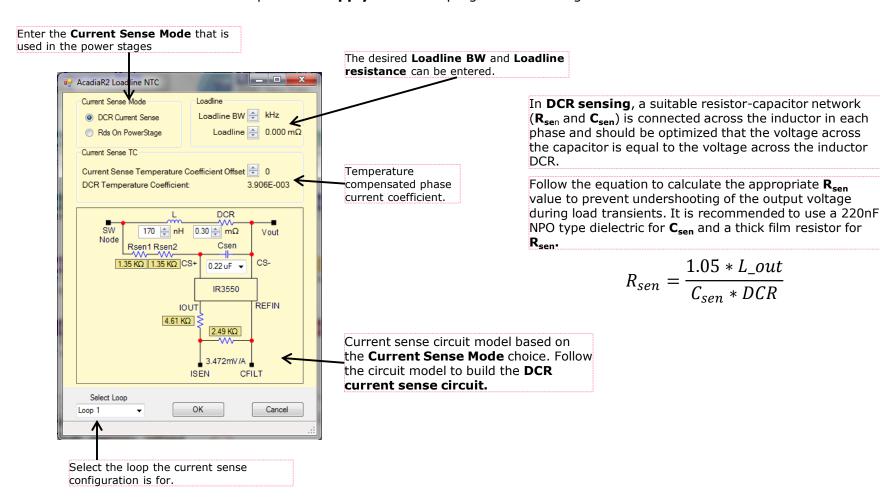
Design Tools

Loadline & Current Sensing





This tool is used to set the desirable current sense method and model. Users can also set the desired loadline resistance and temperature coefficient offset. Remember to press and **Apply** and **Ok** to program the settings.



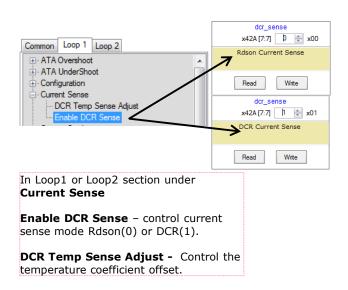
Design Tools

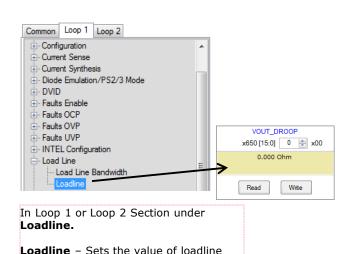
Loadline & Current Sensing





Loadline and Current sensing tool can also be programmed using **I2C Register Map** using tree view commands window. Remember to click **Write** to program the settings





resistance for desired Vout droop.

Load Line Bandwidth – sets the

Load Line Bandwidth – sets the bandwidth for the digital loadline from 30kHz to 1MHz.

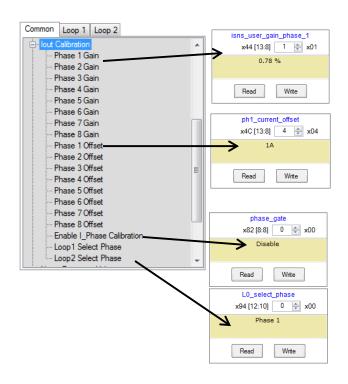
Design Tools

Loadline & Current Sensing





Loadline & Current Sensing Acadia also has the function to calibrate individual phase currents and total output current. Each phase can be turned on individually, so users can adjust the corresponding phase gain and offset.



In Common Section under Iout Calibration.

Phase # Gain(mV/A) - Calibrate the gain for each phase. Range is -25% to +24.2% with 0.78% resolution.

Phase # Offset(A) - Calibrate the current offset of each phase. Range is -8A to +7.75A with 0.25A resolution.

In Common Section under Iout Calibration.

Enable I Phase Calibration – allows users to select only 1 phase to operate per loop. Used for current sense trimming of each phase

Loop # Select Phase - select which one phase to operate in this loop.