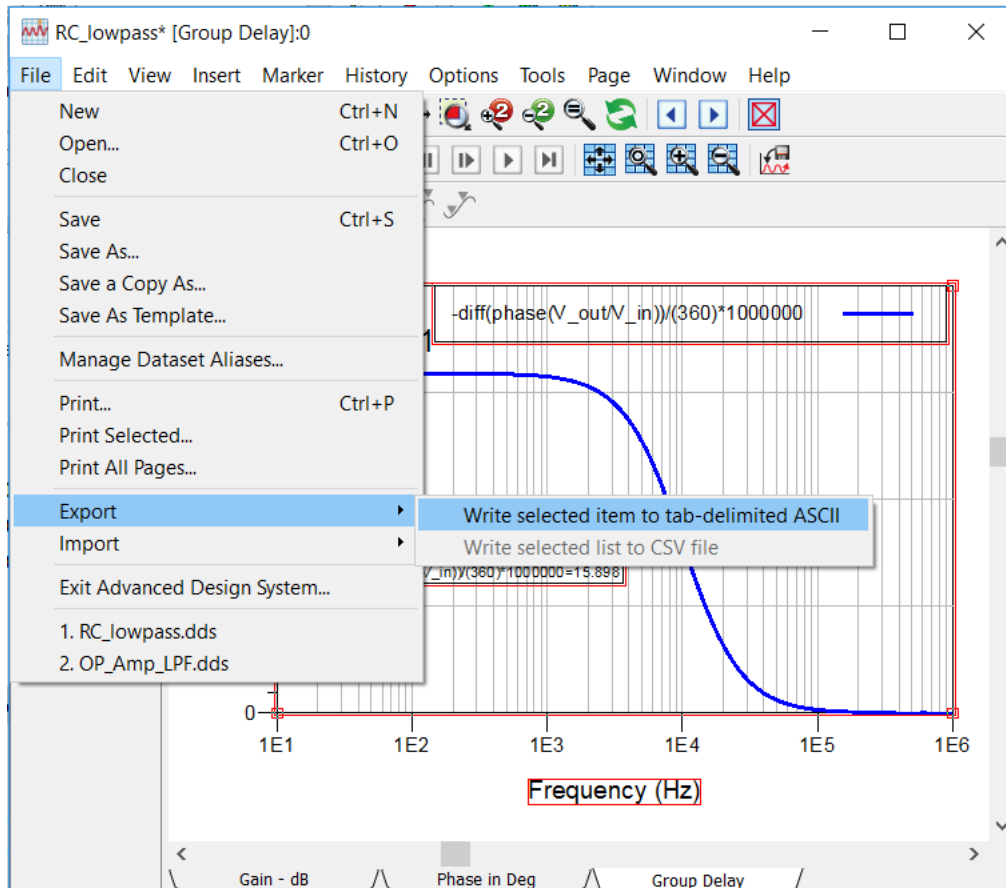


ADS Plot Data and Jupyter Notebook

Starting from an ADS Plot Window

- Open the ADS plot of interest, then select the plot area (orange outlines)
- Next go to the File menu, click export, and choose write tab-delimited ASCII



- Choose the file name and location

In the Jupyter Notebook

- Place the file created above in a convenient location for Python to find
- When doing this in the Jupyter notebook you can use tab-completion to see the list of possible import files
- Use the numpy function `loadtxt()` to fill `ndarrays` with the plot data, and ultimately use in `matplotlib` to make plots

- With the `loadtxt()` function you have many options, two important ones are (1) `skiprows` and (2) `unpack`

```
F_ads,GrpDelay_ads = loadtxt('sample_export.txt',skiprows=1,unpack=True)
```

```
semilogx(F_ads,GrpDelay_ads)  
title(r'Group Delay')  
ylabel(r'Time ( $\mu$ s)')  
xlabel(r'Frequency (Hz)')  
grid();
```

