

deembedding

April 3, 2017

```
In [45]: # for MATLAB commands
import skrf as rf
%matplotlib inline
from pylab import *
rf.stylely()

from skrf.calibration import SOLT

# a list of Network types, holding 'ideal' responses
my_ideals = [
    rf.Network('load.s2p'),
    rf.Network('open.s2p'),
    rf.Network('short.s2p'),
    rf.Network('thru.s2p'),
]

# a list of Network types, holding 'measured' responses
my_measured = [
    rf.Network('load.s2p'),
    rf.Network('open.s2p'),
    rf.Network('short.s2p'),
    rf.Network('thru.s2p'),
]

## create a SOLT instance
cal = SOLT(
    ideals = my_ideals,
    measured = my_measured,
)

## run, and apply calibration to a DUT

# run calibration algorithm
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cal.run()

# apply it to a dut
open_ = rf.Network('open.s2p')
open_corr = cal.apply_cal(open_)

short = rf.Network('short.s2p')
short_corr = cal.apply_cal(short)

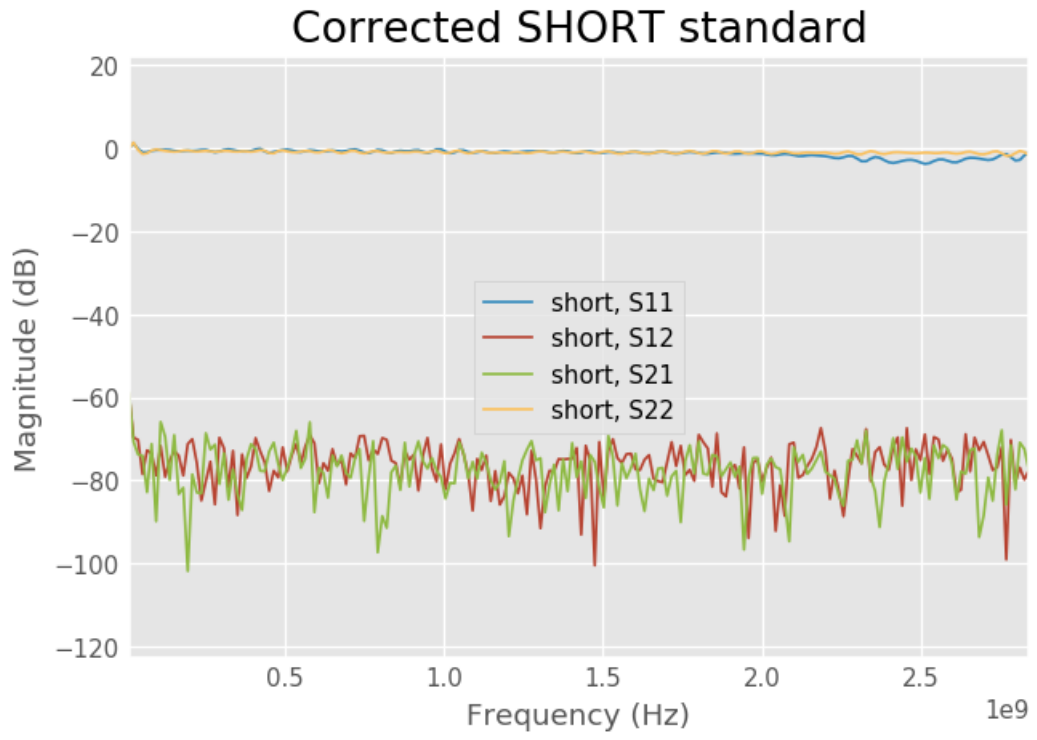
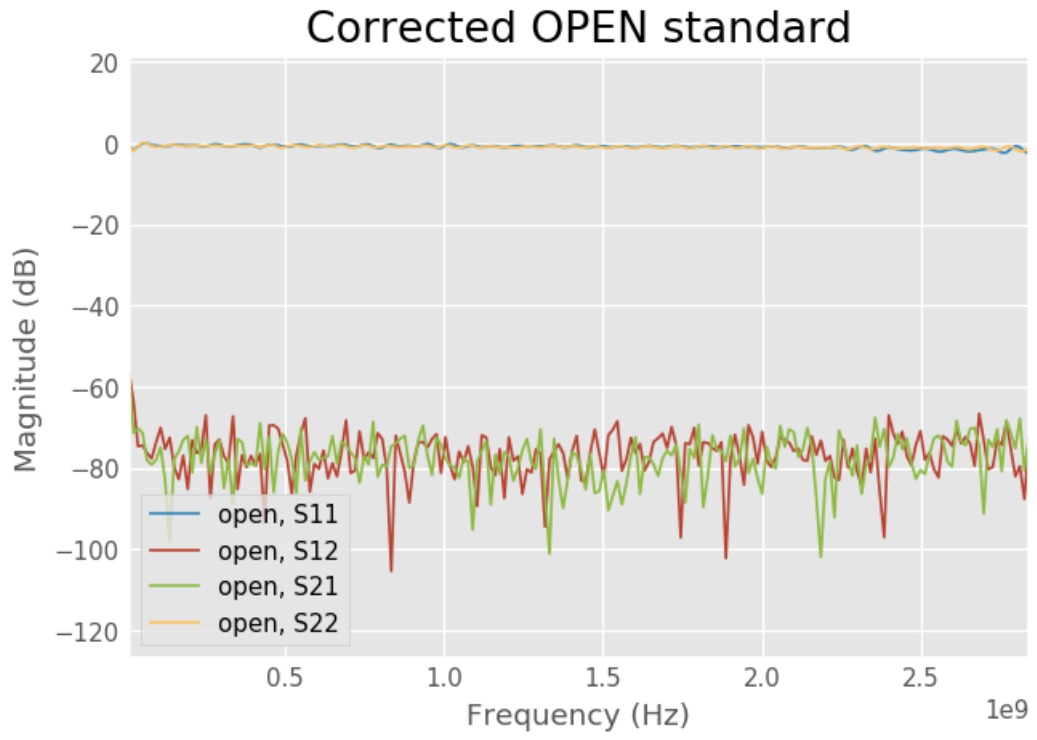
load = rf.Network('load.s2p')
load_corr = cal.apply_cal(load)

thru = rf.Network('thru.s2p')
thru_corr = cal.apply_cal(thru)

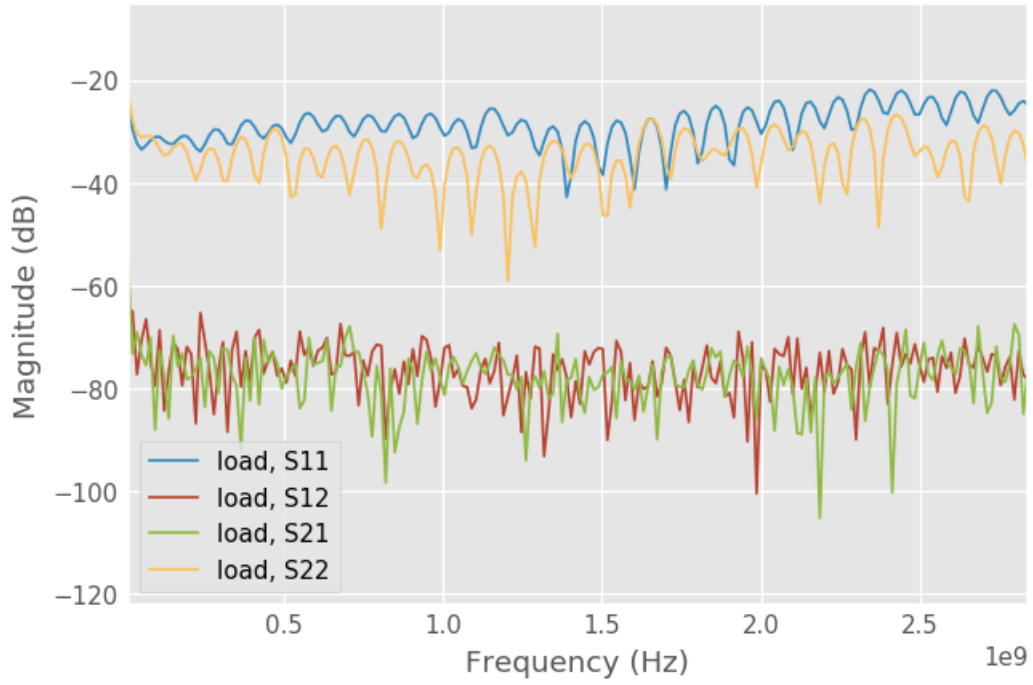
# plot results
figure(1)
title('Corrected OPEN standard')
open_corr.plot_s_db()
figure(2)
title('Corrected SHORT standard')
short_corr.plot_s_db()
figure(3)
title('Corrected LOAD standard')
load_corr.plot_s_db()
figure(4)
title('Corrected THRU standard')
thru_corr.plot_s_db()

# save results
#dut_caled.write_touchstone()

```



Corrected LOAD standard



Corrected THRU standard

