deembedding

April 18, 2017

```
In [3]: # 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_ideal.s2p'),
            rf.Network('open_ideal.s2p'),
            rf.Network('short_ideal.s2p'),
            rf.Network('thru_ideal.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
```

```
cal.run()

# apply it to a dut (here the standards)
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()
```
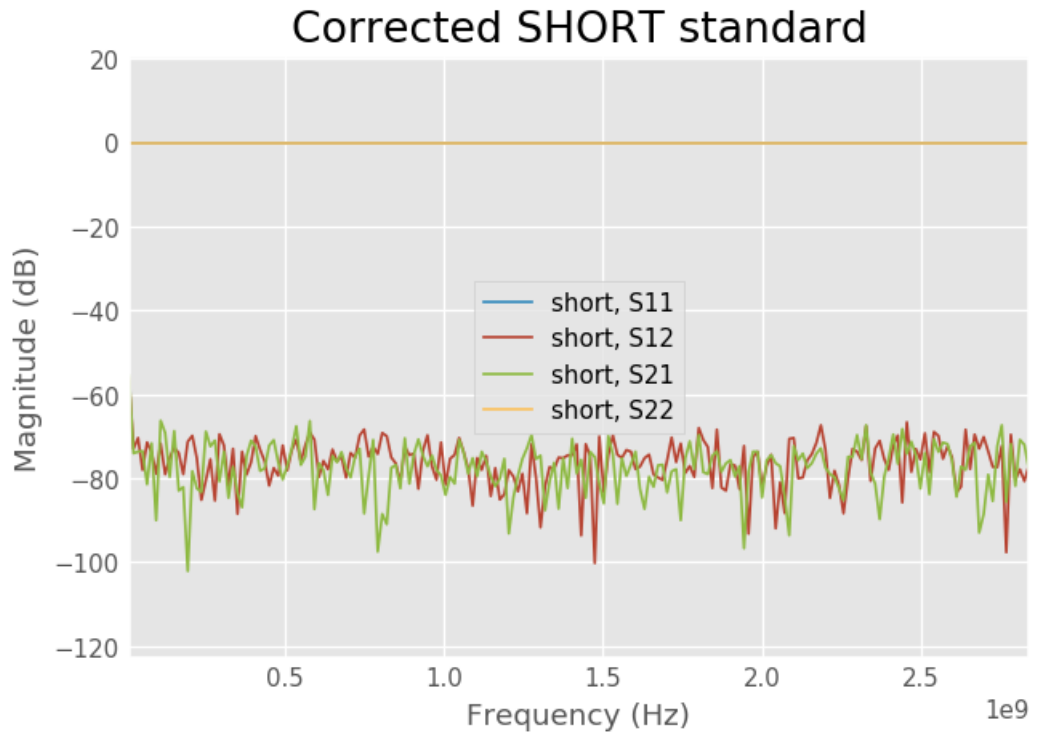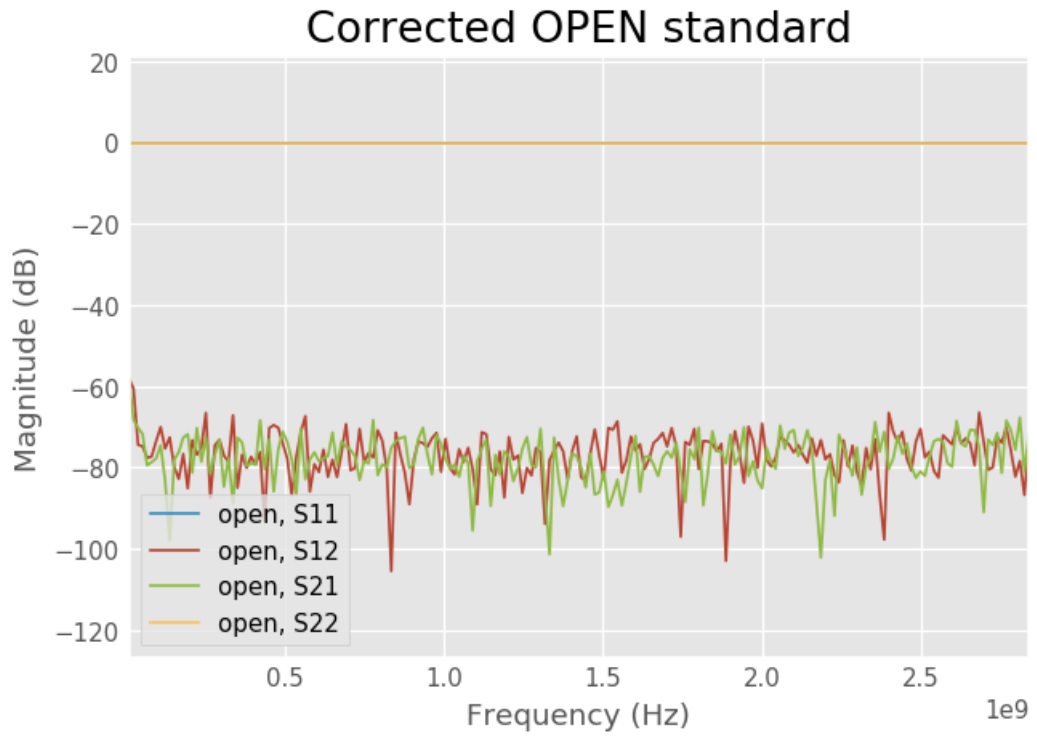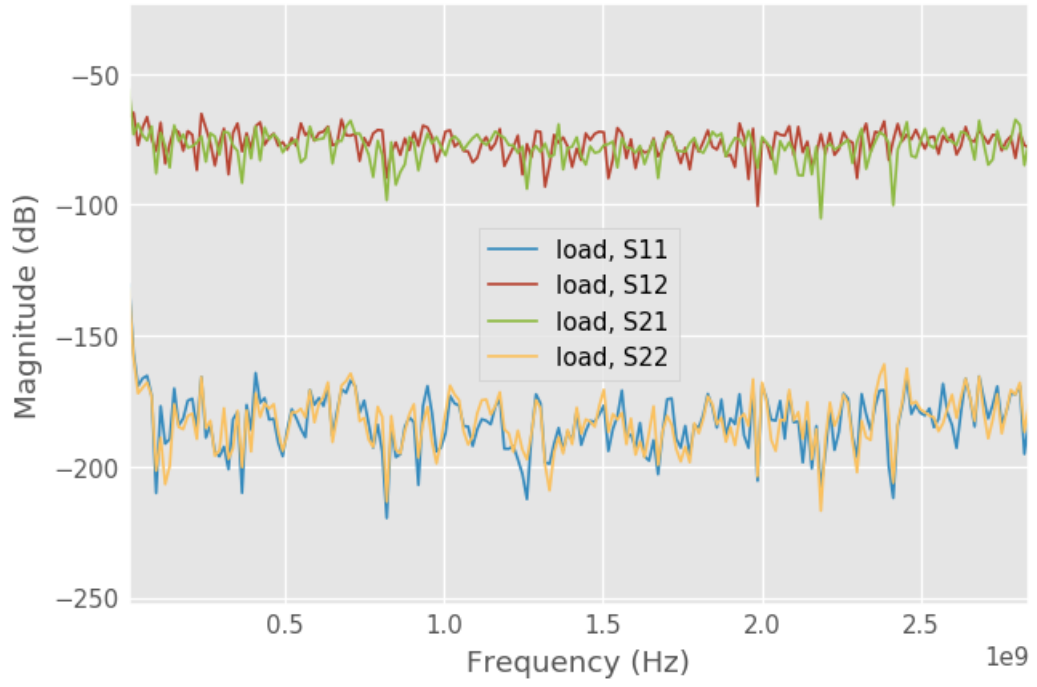
Corrected OPEN standard

Corrected SHORT standard

Corrected LOAD standard

Corrected THRU standard