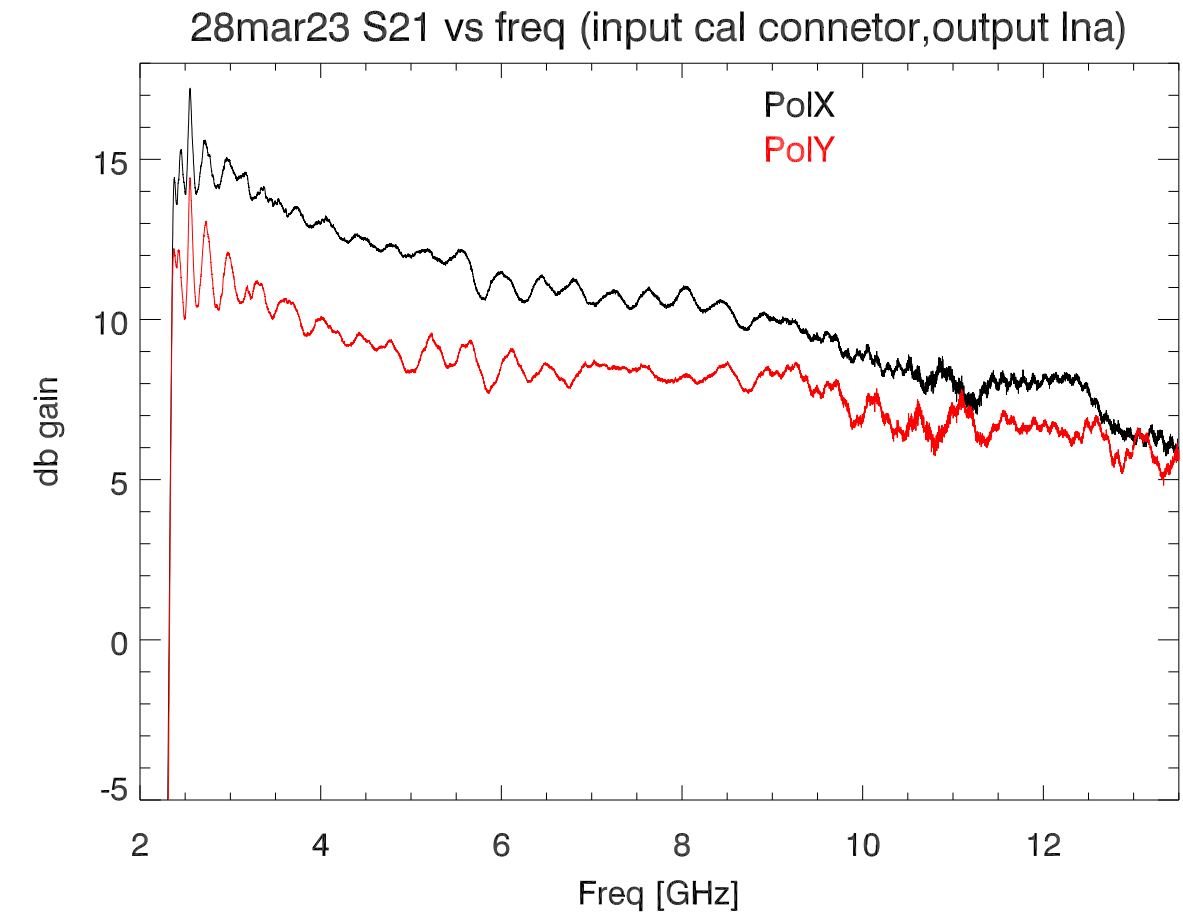
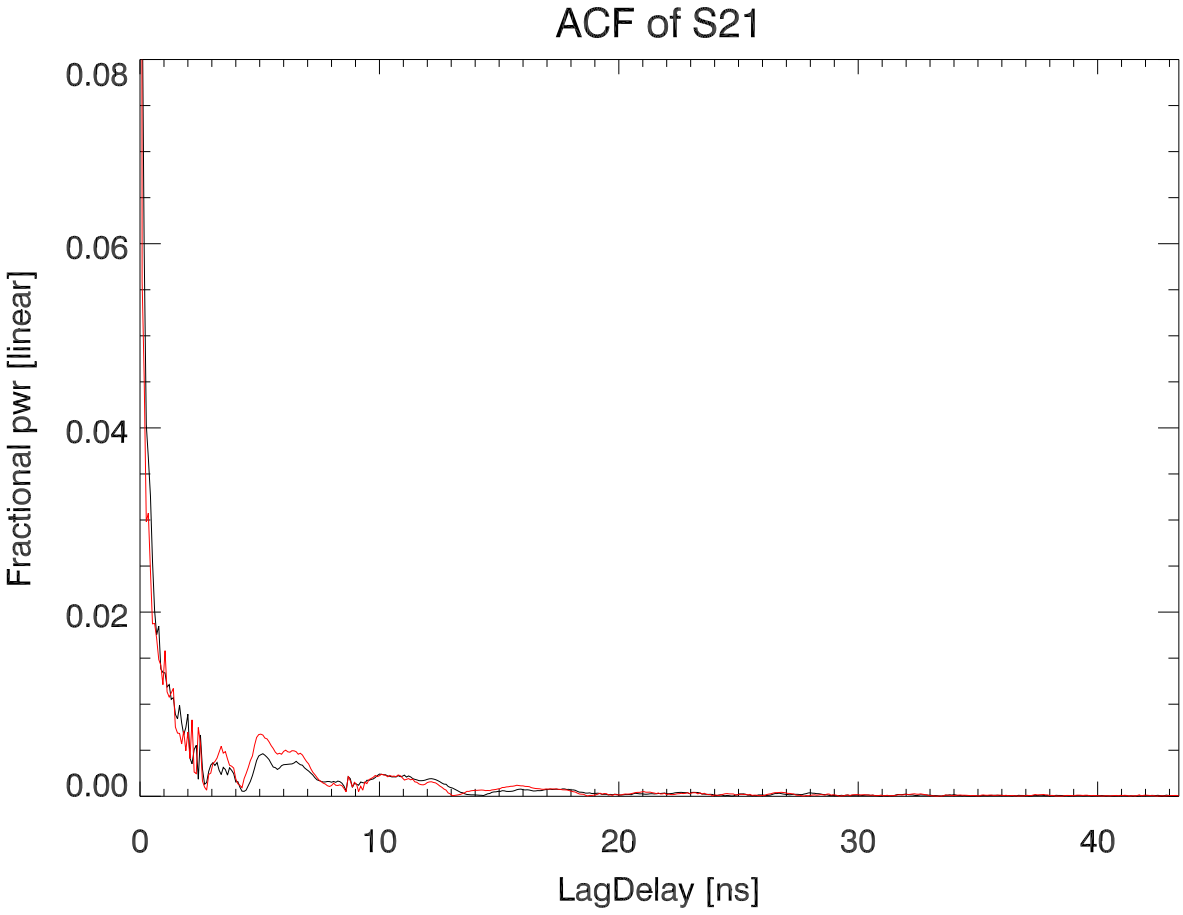
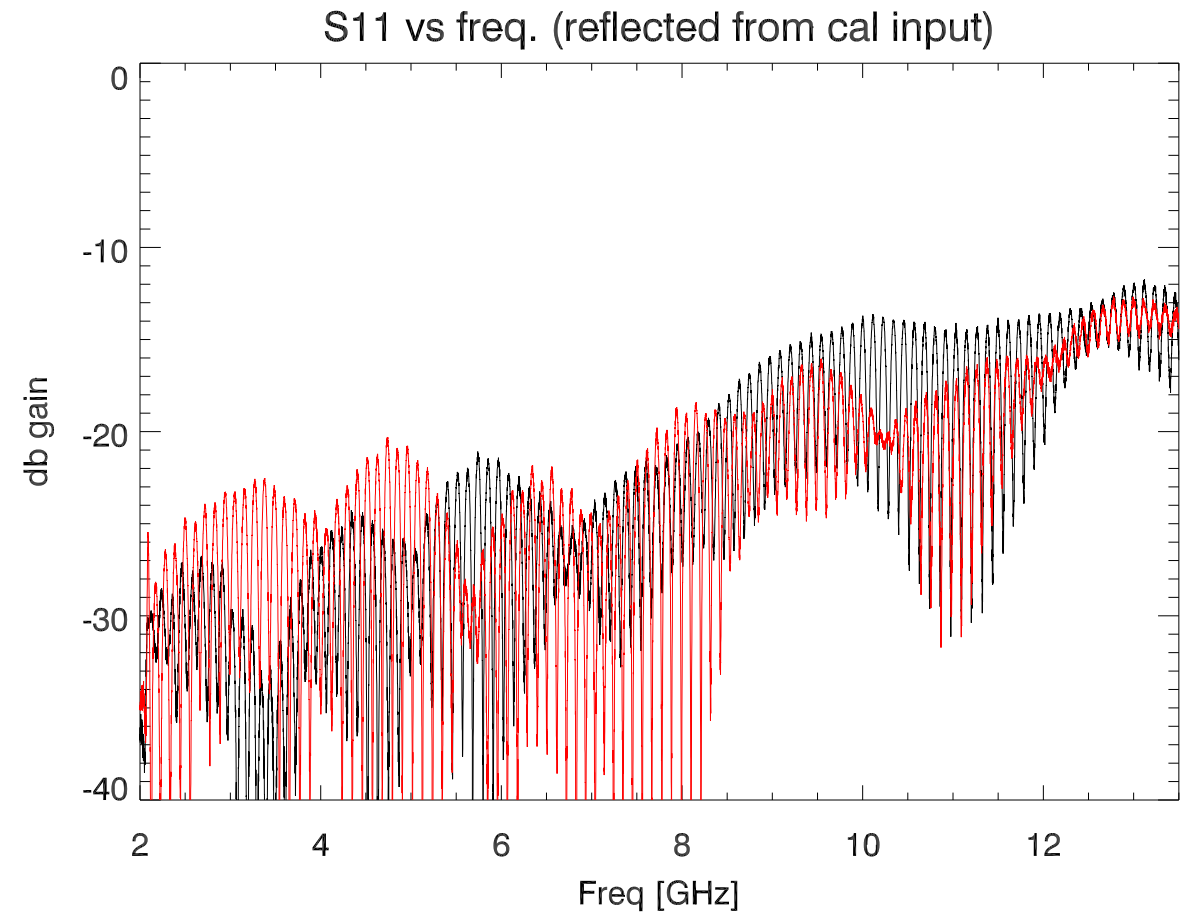
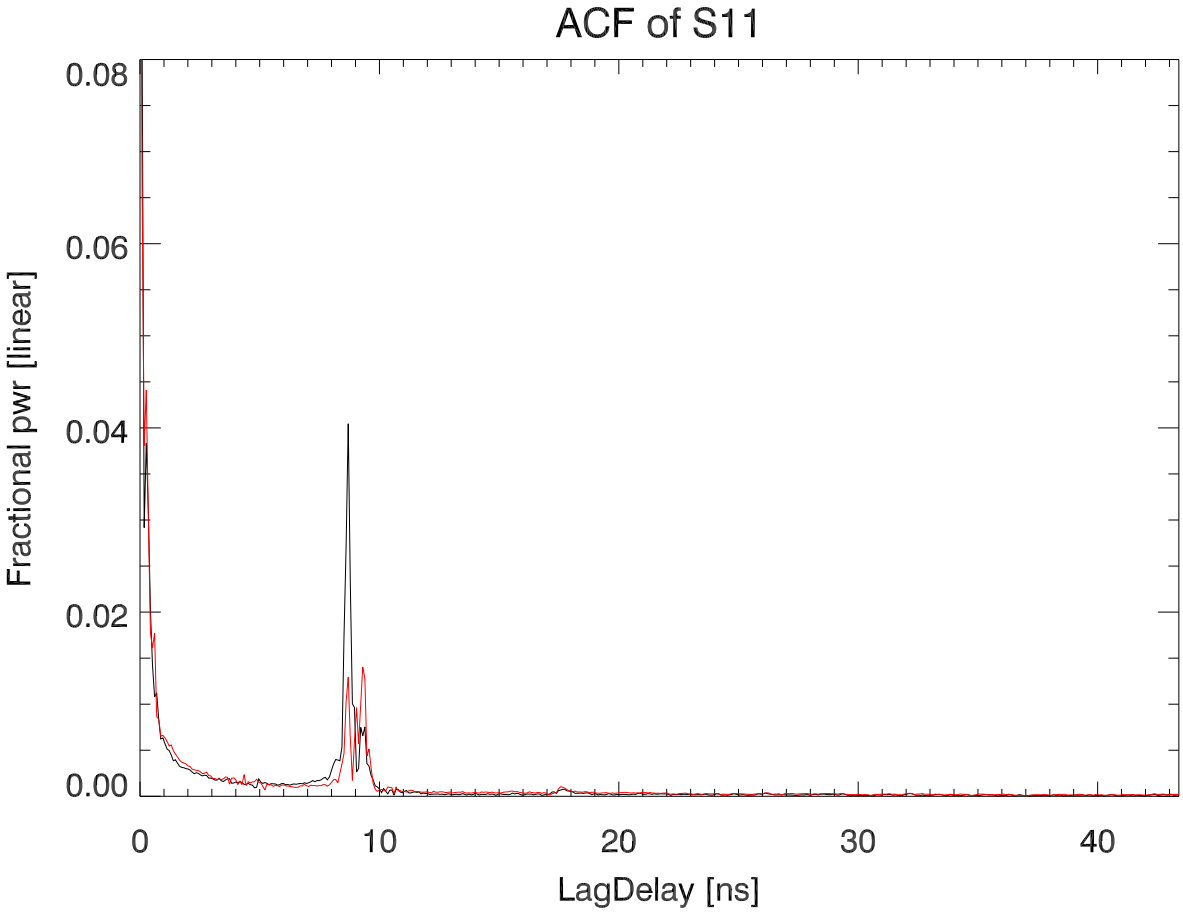
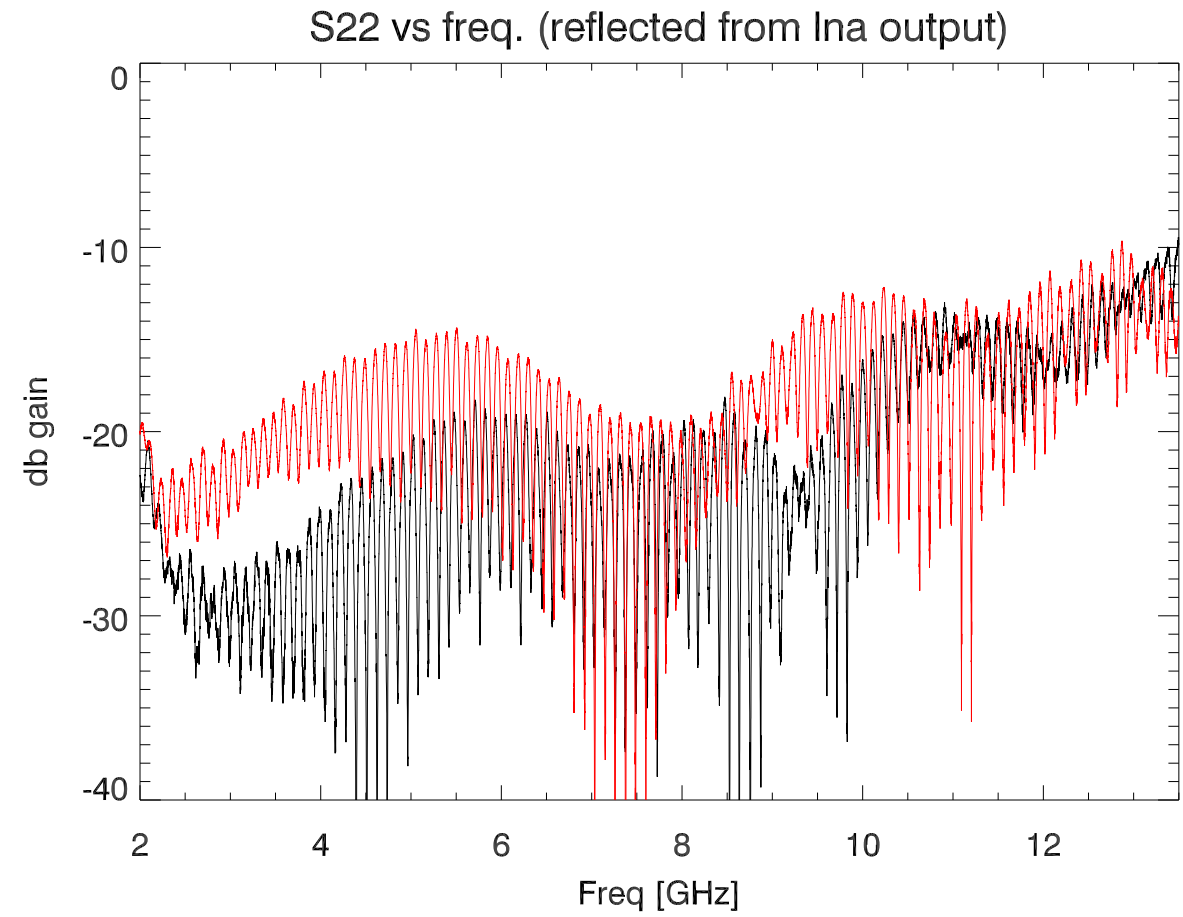
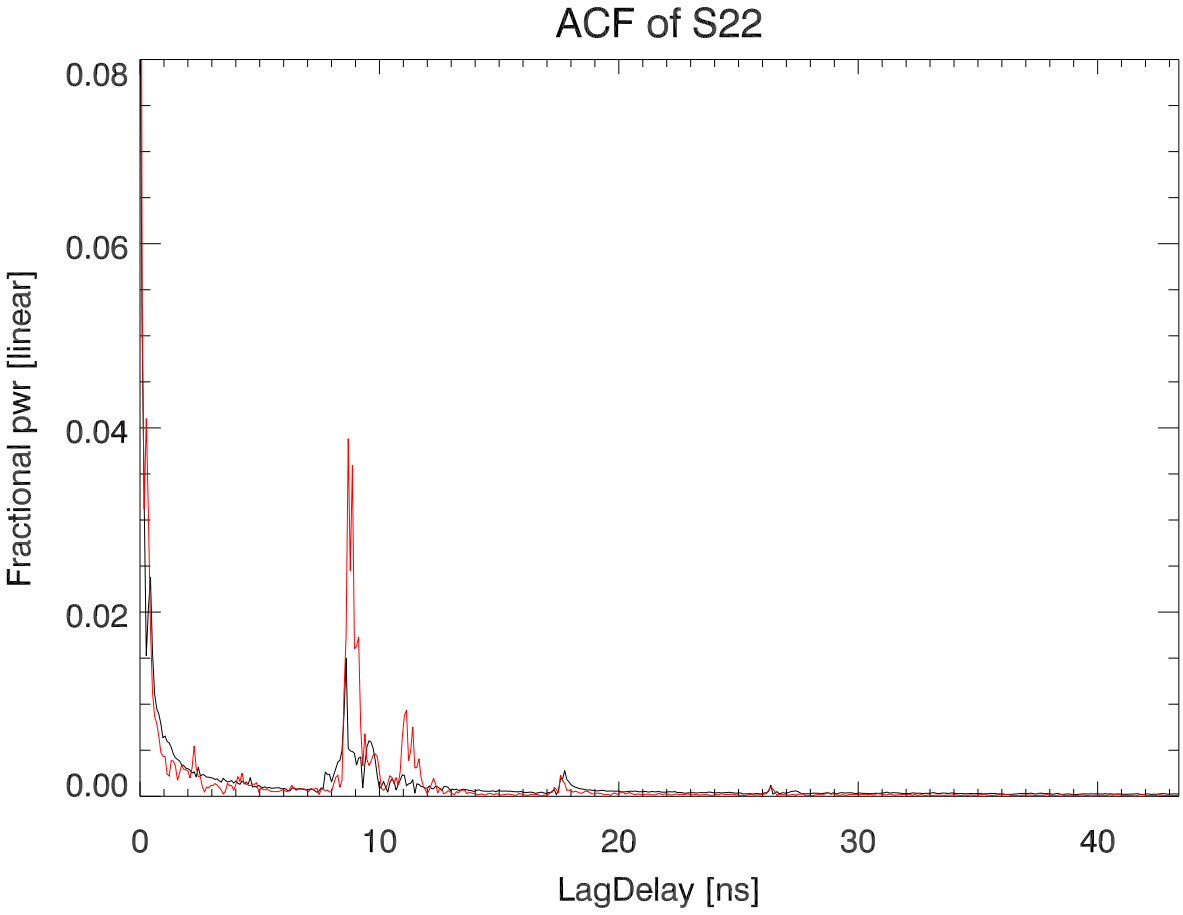

28mar23 S21 vs freq (input cal connetor,output lna)
PolX
PolY
db gain
15
10
5
0
-5
2
4
6
8
10
12
Freq [GHz]

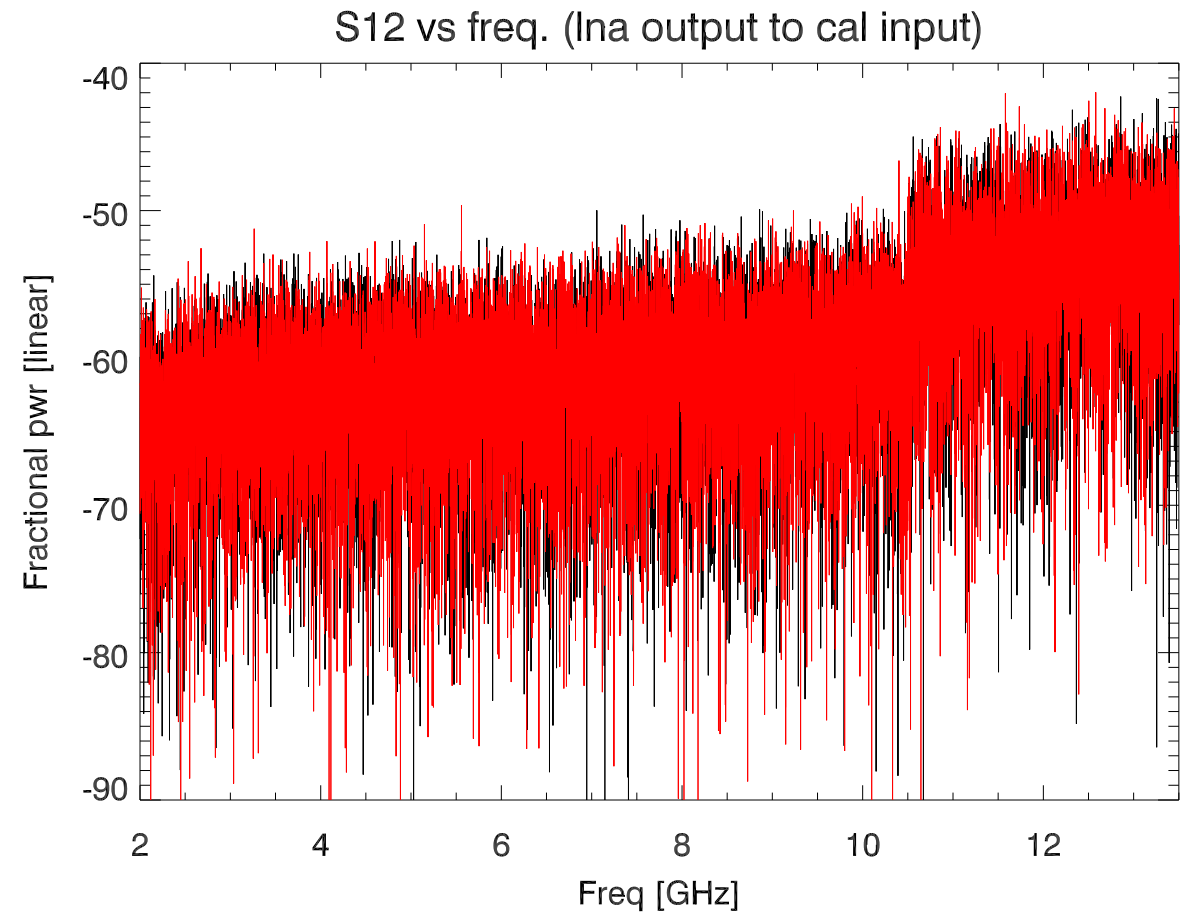

ACF of S21
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
10
20
30
40
LagDelay [ns]

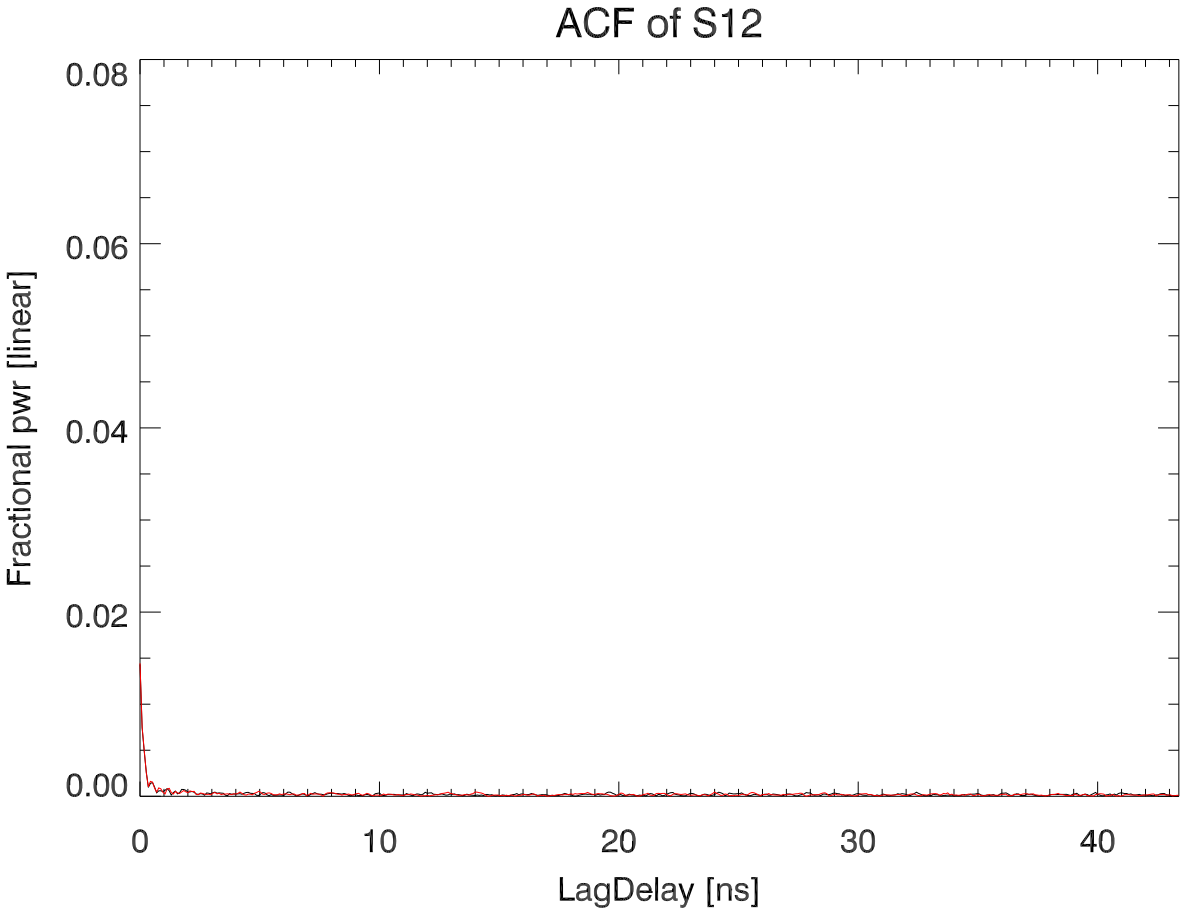

S11 vs freq. (reflected from cal input)
0
-10
-20
-30
-40
db gain
2
4
6
8
10
12
Freq [GHz]

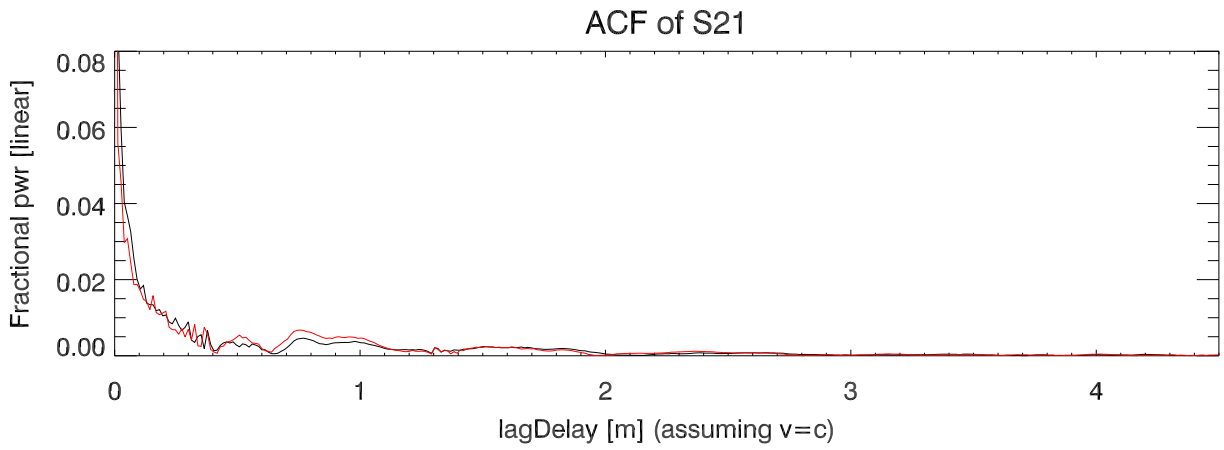

ACF of S11
0.08
0.06
0.04
0.02
0.00
Fractional pwr [linear]
0
10
20
30
40
LagDelay [ns]

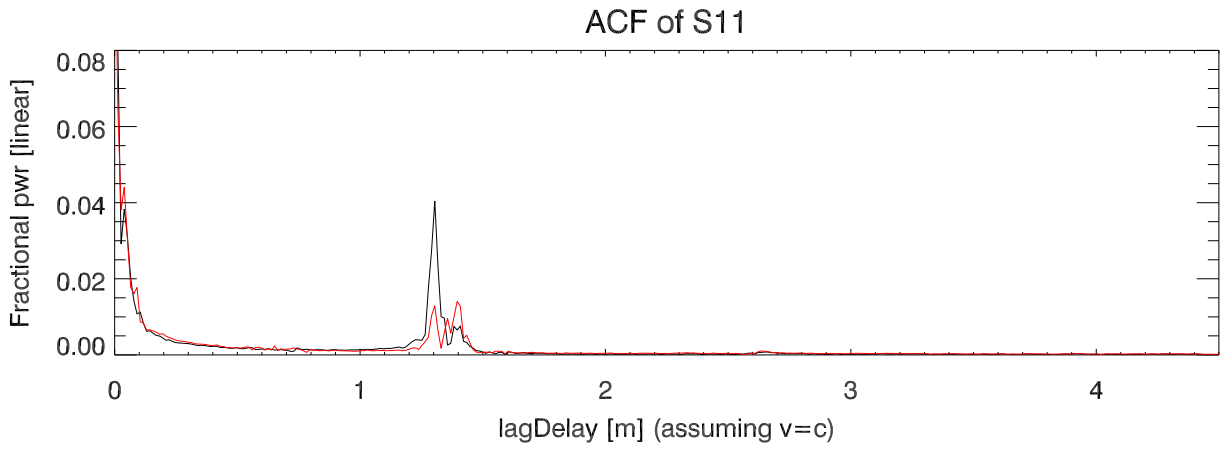

S22 vs freq. (reflected from lna output)
0
-10
-20
-30
-40
db gain
2
4
6
8
10
12
Freq [GHz]

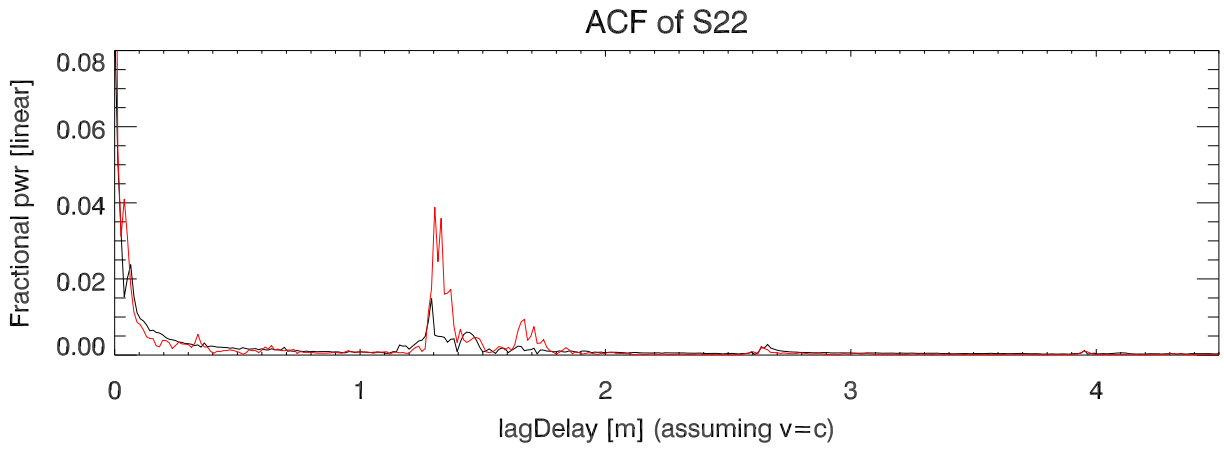

ACF of S22
0.08
0.06
0.04
0.02
0.00
Fractional pwr [linear]
0
10
20
30
40
LagDelay [ns]

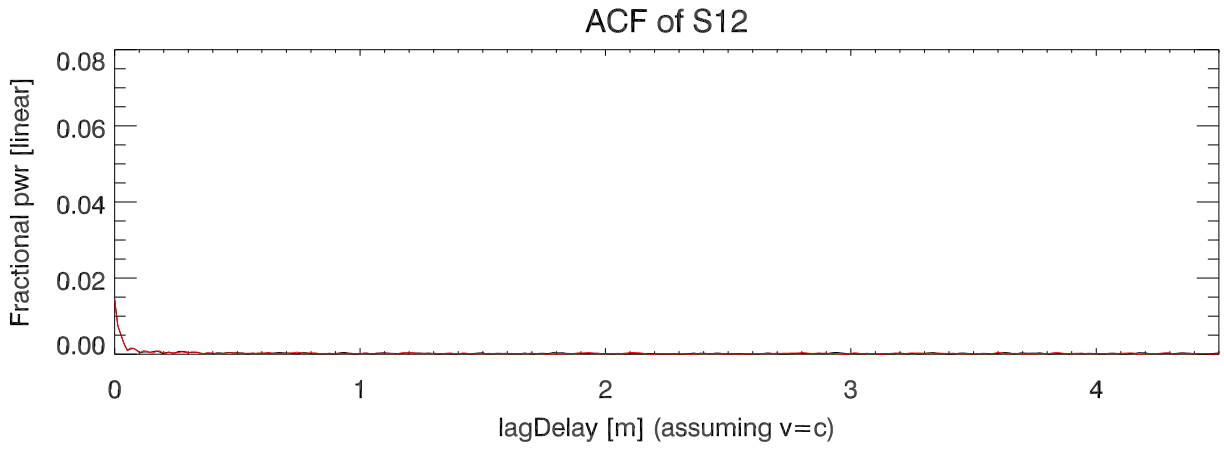

S12 vs freq. (lna output to cal input)
Fractional pwr [linear]
-40
-50
-60
-70
-80
-90
2
4
6
8
10
12
Freq [GHz]


ACF of S12
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
10
20
30
40
LagDelay [ns]


ACF of S21
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
lagDelay [m] (assuming v=c)


ACF of S11
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
lagDelay [m] (assuming v=c)


ACF of S22
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
lagDelay [m] (assuming v=c)


ACF of S12
Fractional pwr [linear]
0.08
0.06
0.04
0.02
0.00
0
1
2
3
4
lagDelay [m] (assuming v=c)