

COM200 230400 192.168.1.40 8888 Cal APP Freq bands LC matching test

Start (MHz) 2
 Stop (MHz) 30
 Center (MHz) 16
 Span (MHz) 28
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

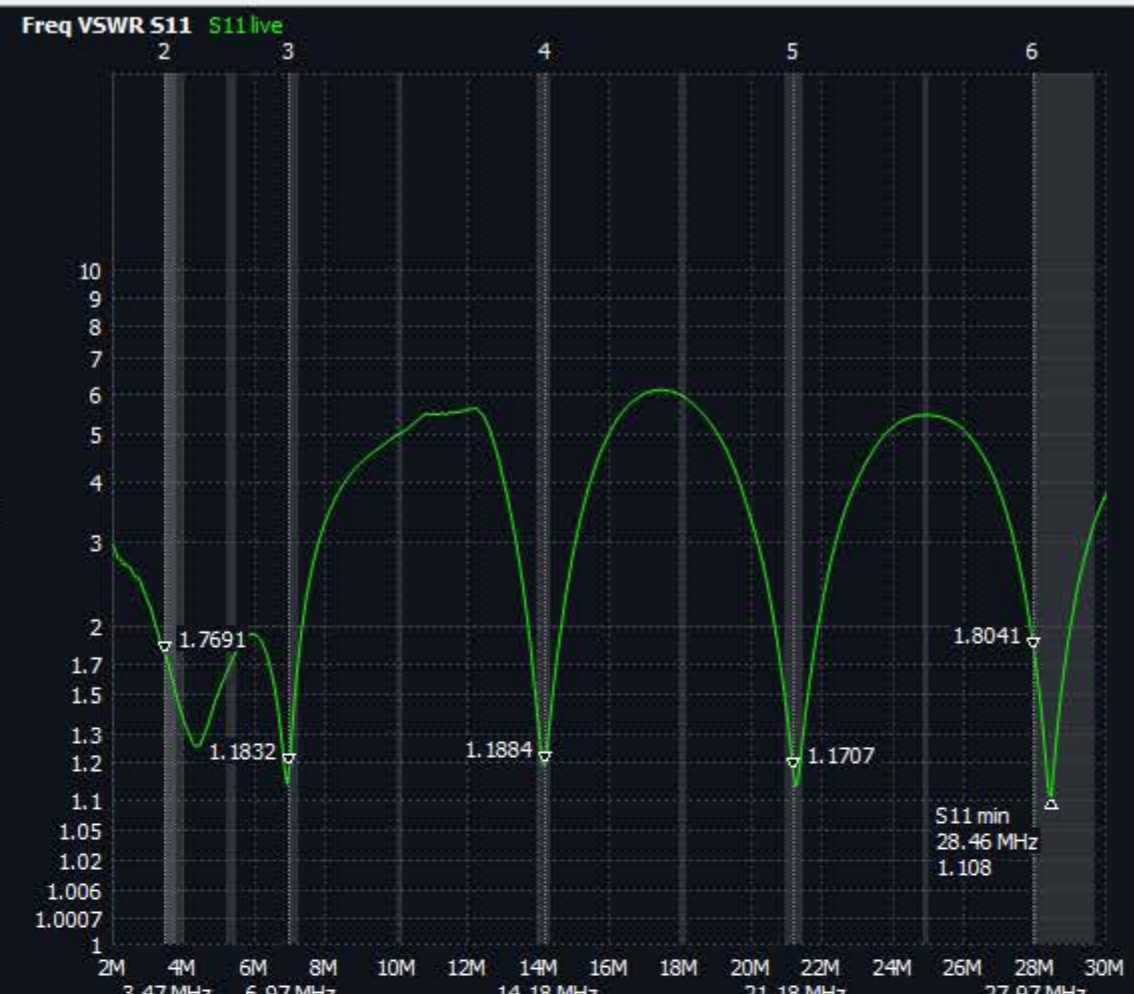
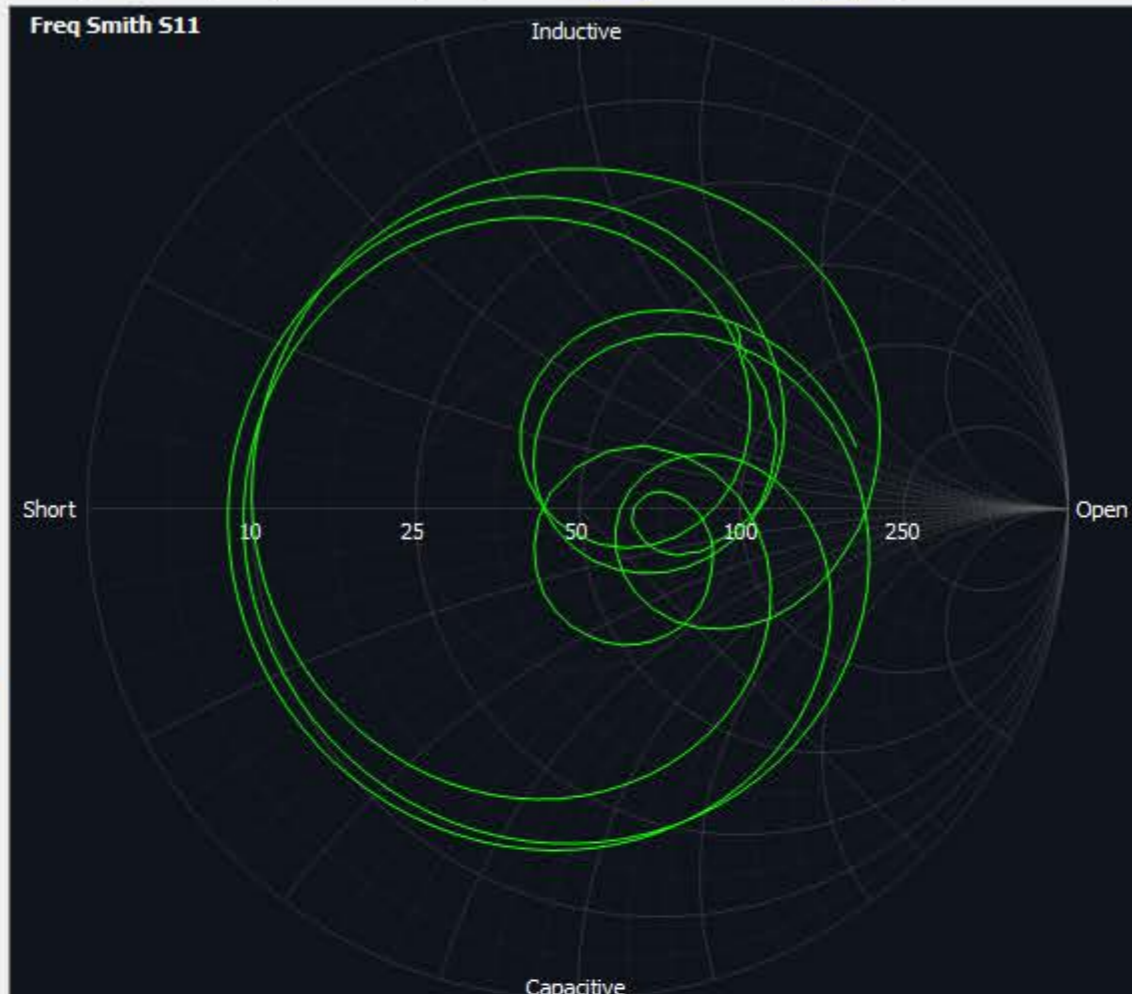
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph

S1P S2P CSV

Frequency markers



Mouse, live

Frequency 5.669 355 MHz
 Wavelength 52.8795m
 1/4 Wavelength 13.2199m

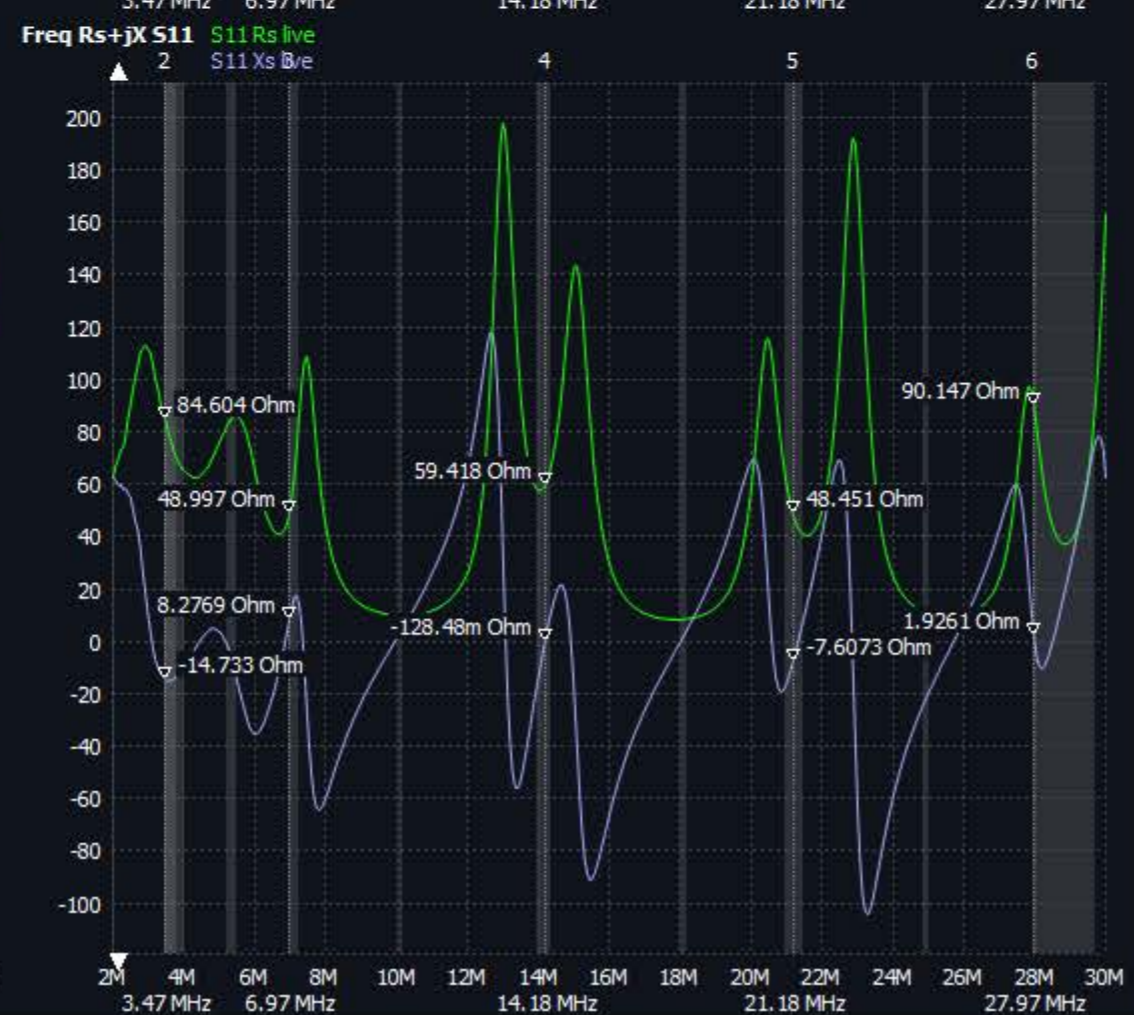
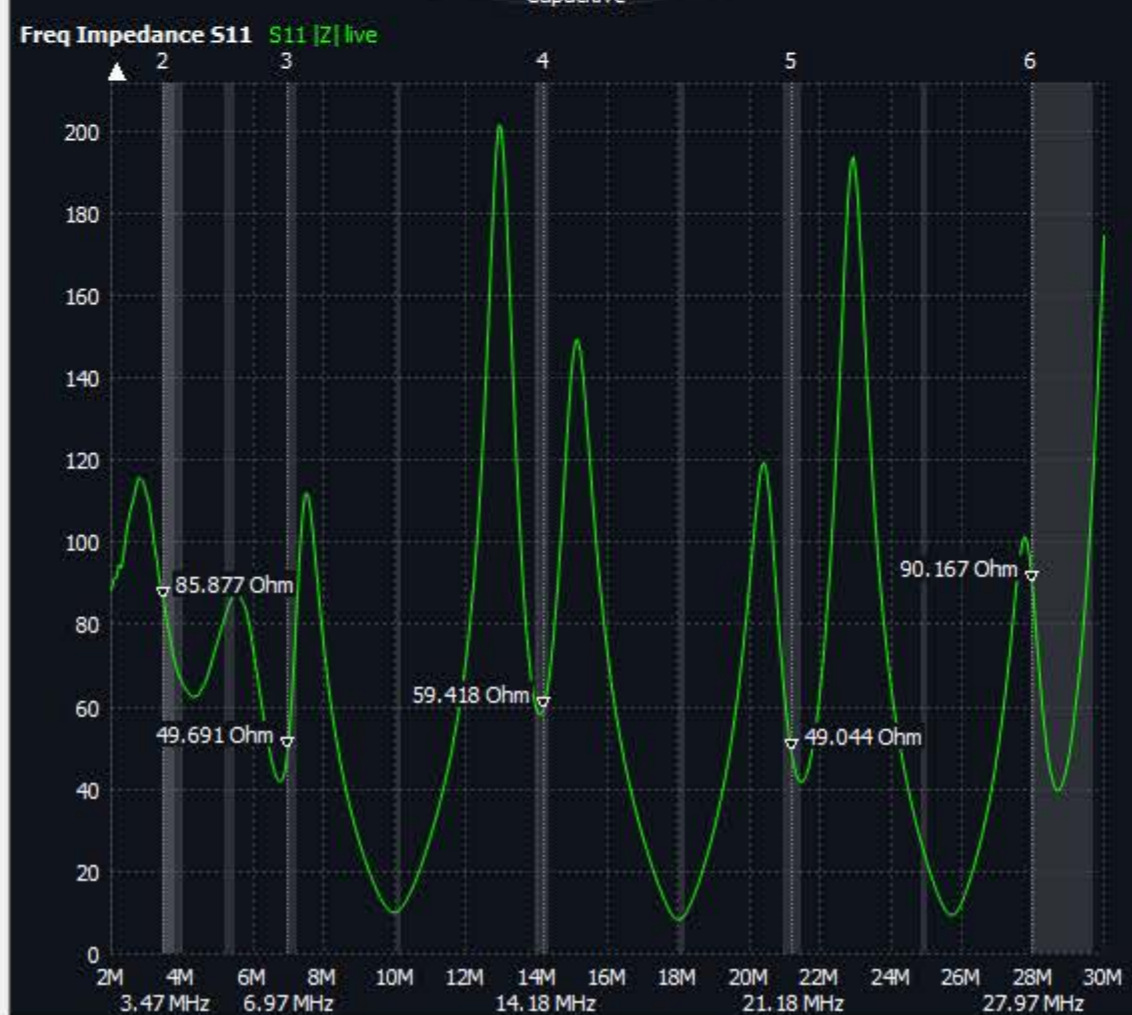
S11 info

Real Imag 273.73m - j125.3m
 Polar 301.04m -24.5961°
 VSWR 1.861
 Return Loss -10.427dB
 Quality Factor 0.276
 Group Delay 162.65ns
 Impedance 83.71 - j23.07
 |Z| 86.8299
 Series R 83.7096
 Series X -23.0681
 Series L -647.59nH
 Series C 1.217nF
 Parallel R 90.0665
 Parallel X -326.833
 Parallel L -9.1751uH
 Parallel C 85.894pF
 Admittance 11.103m + j3.0597m

S21 info

Real Imag 15.215u - j15.008u
 Gain -93.403dB
 Polar 21.372u -44.6073°
 Quality Factor 0.986
 Group Delay -63.868ns
 Z shunt 380u - j375u
 |Z| shunt 534.31u
 Z series 3.33M + j3.29M
 |Z| series 4.679M

- 1 1.800 000 MHz
- 2 3.500 000 MHz
- 3 7.000 000 MHz
- 4 14.200 000 MHz
- 5 21.200 000 MHz
- 6 28.000 000 MHz
- 7 50.840 000 MHz
- 8 146.000 000 MHz



Connected 192.168.1.40 8888 Cal APP Freq bands LC matching test

SD Card Info

Start (MHz) 3
 Stop (MHz) 5
 Center (MHz) 4
 Span (MHz) 2
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

Set Norm Enable Norm

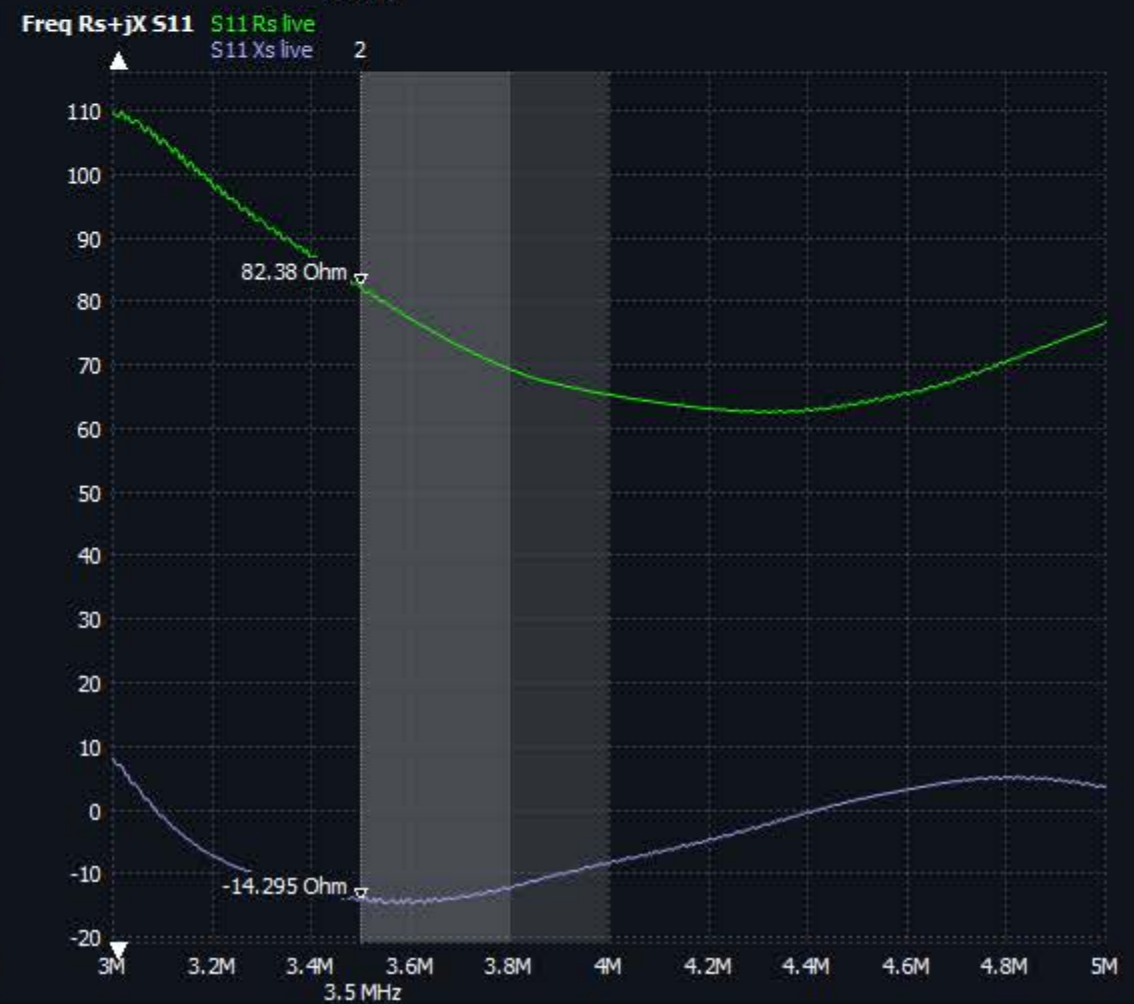
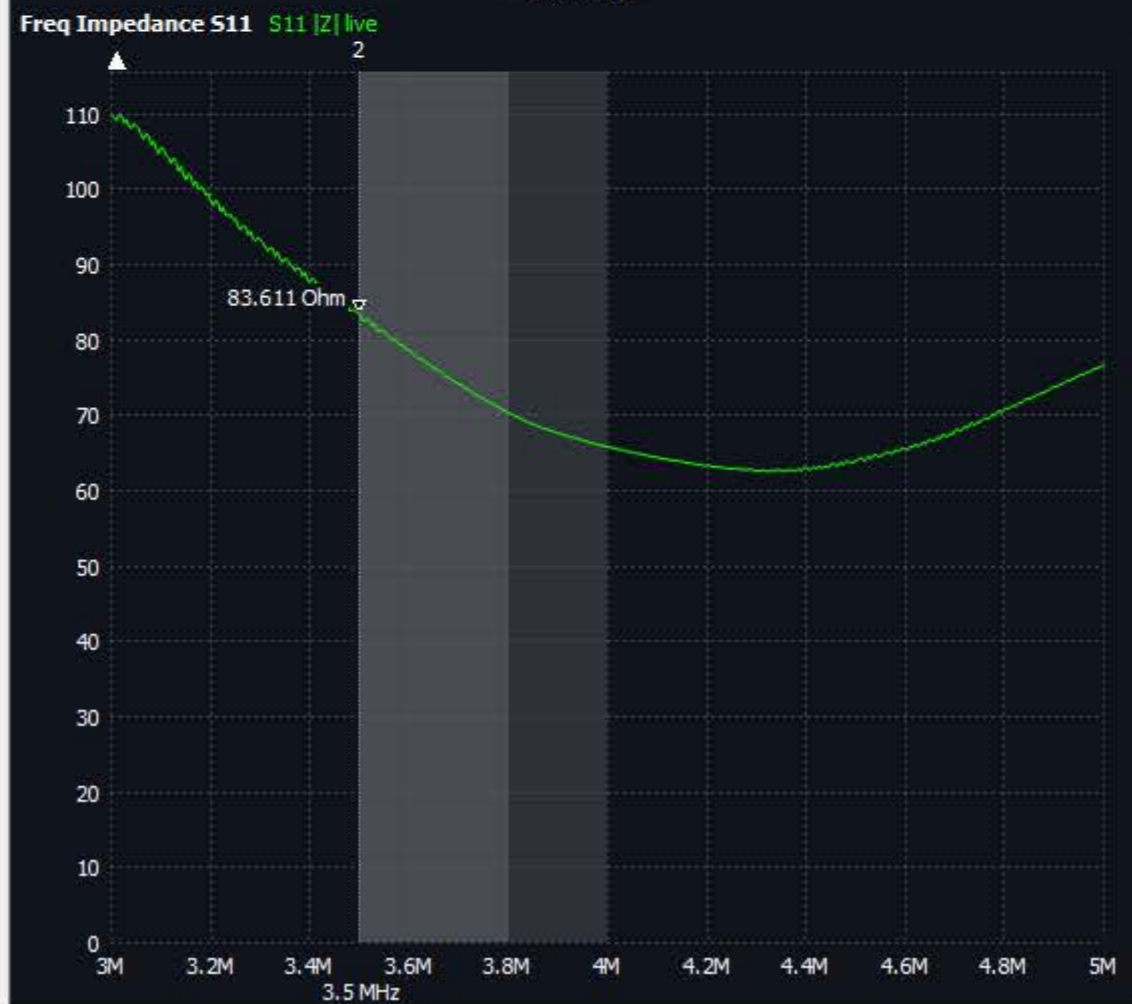
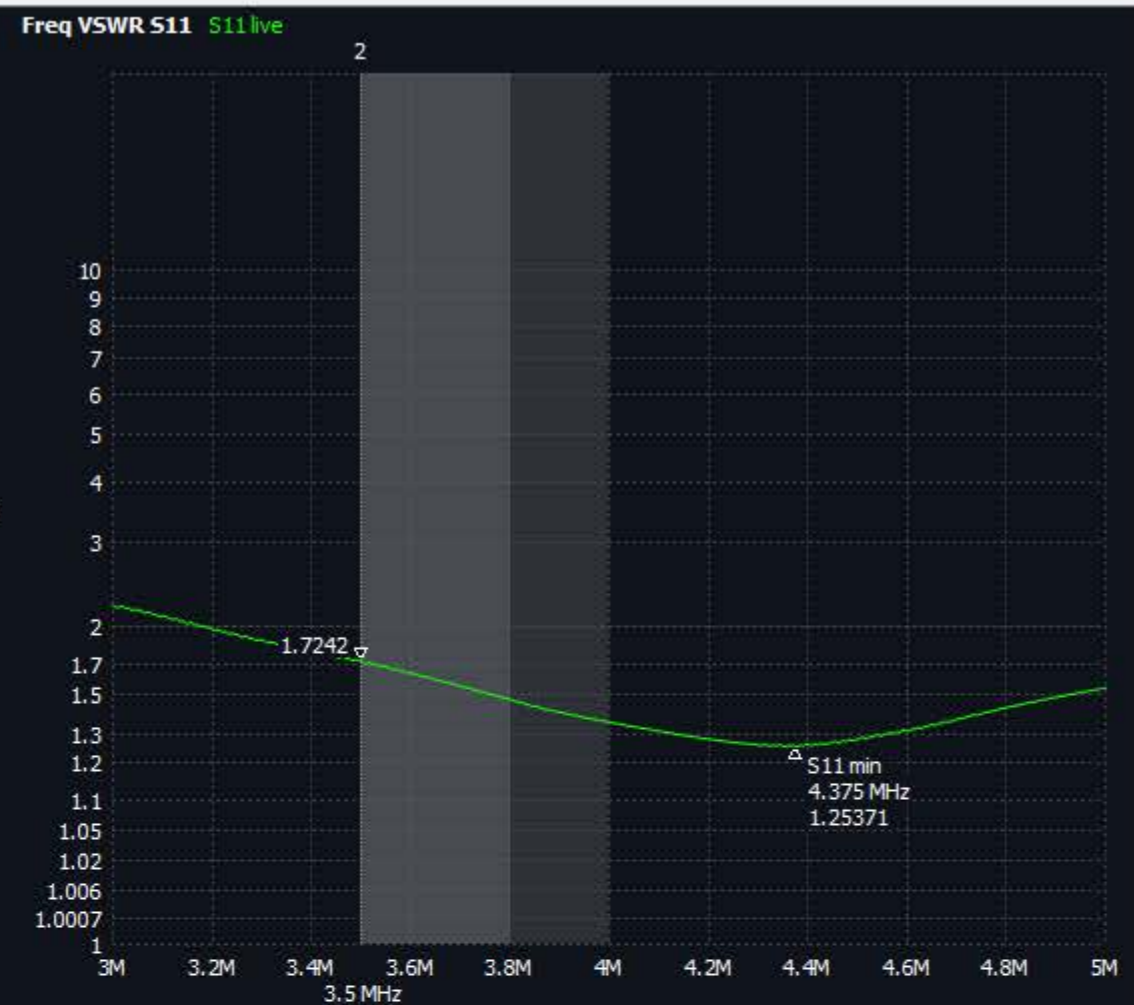
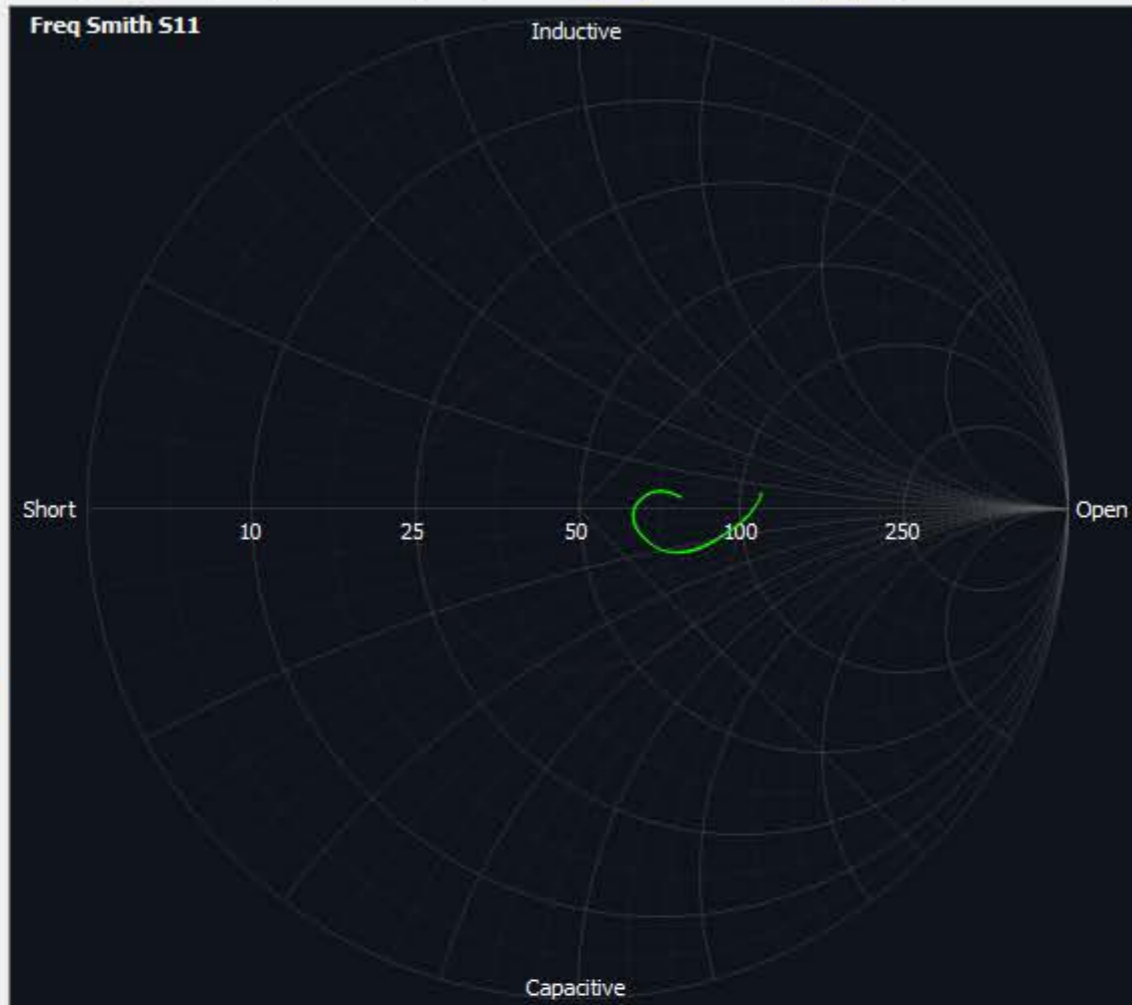
Live M1 M2 M3 M4

Form Graph Graph

S1P S2P CSV

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Mouse, live

Frequency 3.471 774 MHz
 Wavelength 86.3514m
 1/4 Wavelength 21.5878m

S11 info

Real Imag 261.42m - j77.4m
 Polar 272.64m -16.4927°
 VSWR 1.750
 Return Loss -11.288dB
 Quality Factor 0.167
 Group Delay 199.9ns
 Impedance 83.92 - j14.03
 |Z| 85.0895
 Series R 83.924
 Series X -14.0346
 Series L -643.38nH
 Parallel R 86.2711
 Parallel X -515.883
 Parallel L -23.649uH
 Parallel C 88.862pF
 Admittance 11.591m + j1.9384m

S21 info

Real Imag 4.4539u- j29.494u
 Gain -90.507dB
 Polar 29.828u-81.4127°
 Quality Factor 6.623
 Group Delay 2.9635us
 Z shunt 112u - j737u
 |Z| shunt 745.71u
 Z series 500k + j3.31M
 |Z| series 3.3525M

Connected 192.168.1.40 8888 Cal APP Freq bands LC matching test

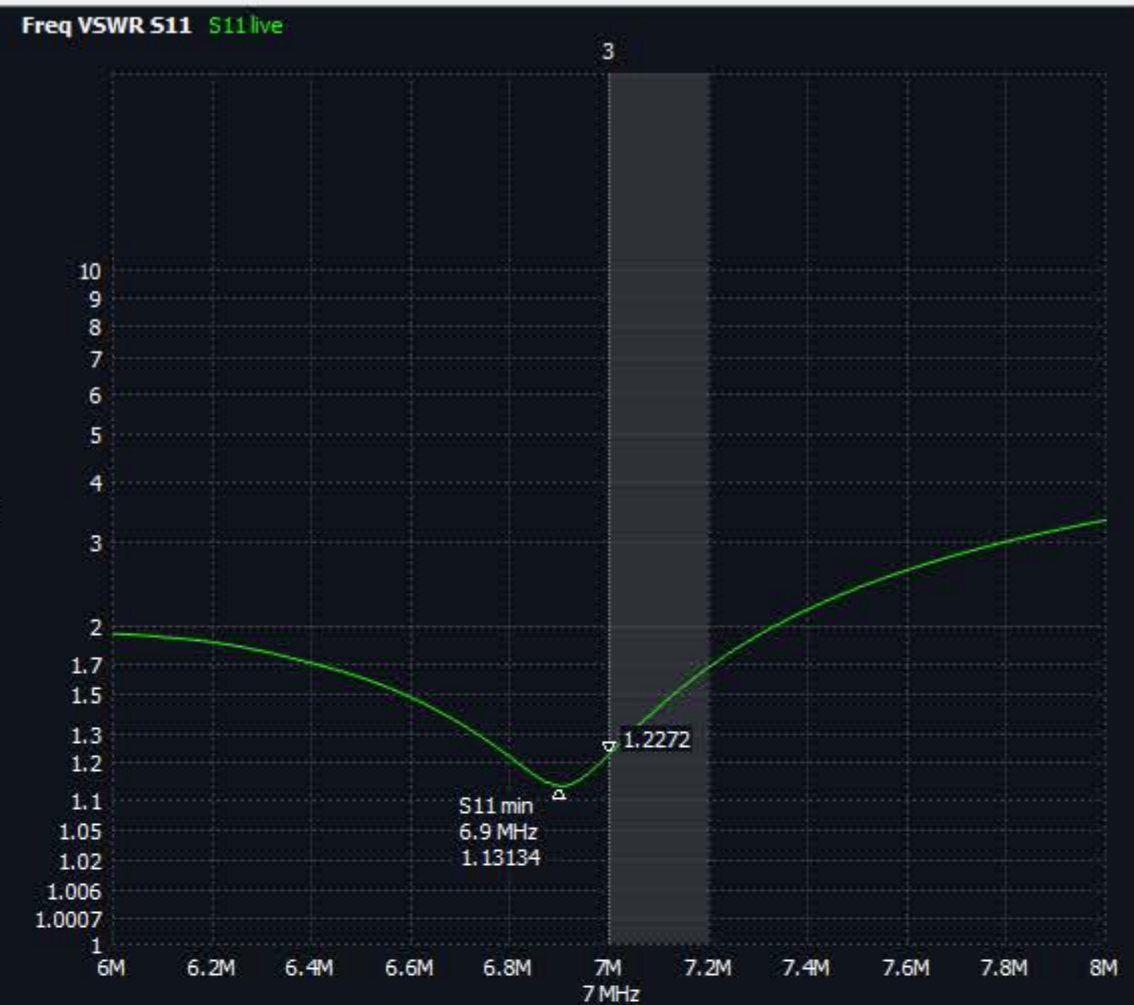
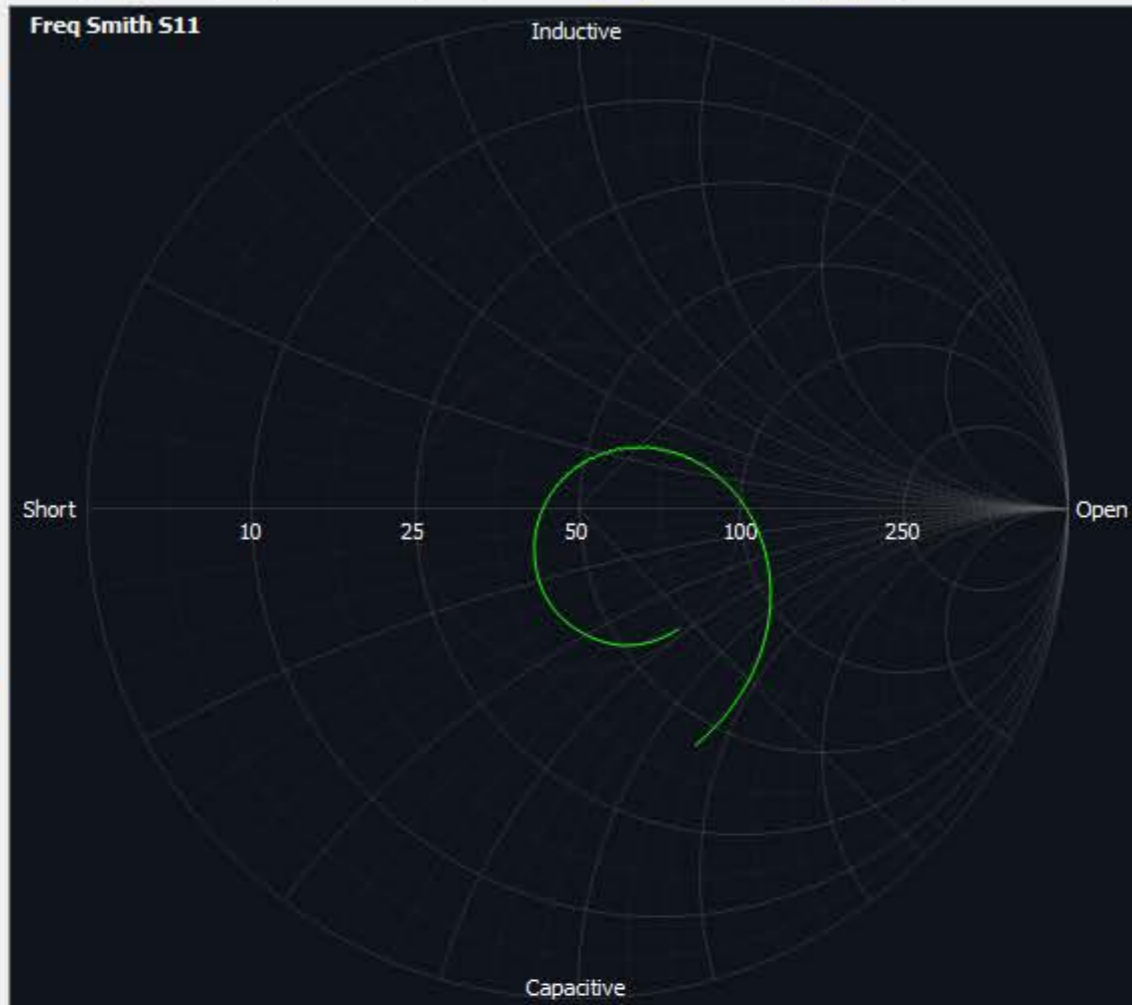
Start (MHz) 6
 Stop (MHz) 8
 Center (MHz) 7
 Span (MHz) 2
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV



Mouse, live

Frequency 6.830 645 MHz
 Wavelength 43.8893m
 1/4 Wavelength 10.9723m

S11 info

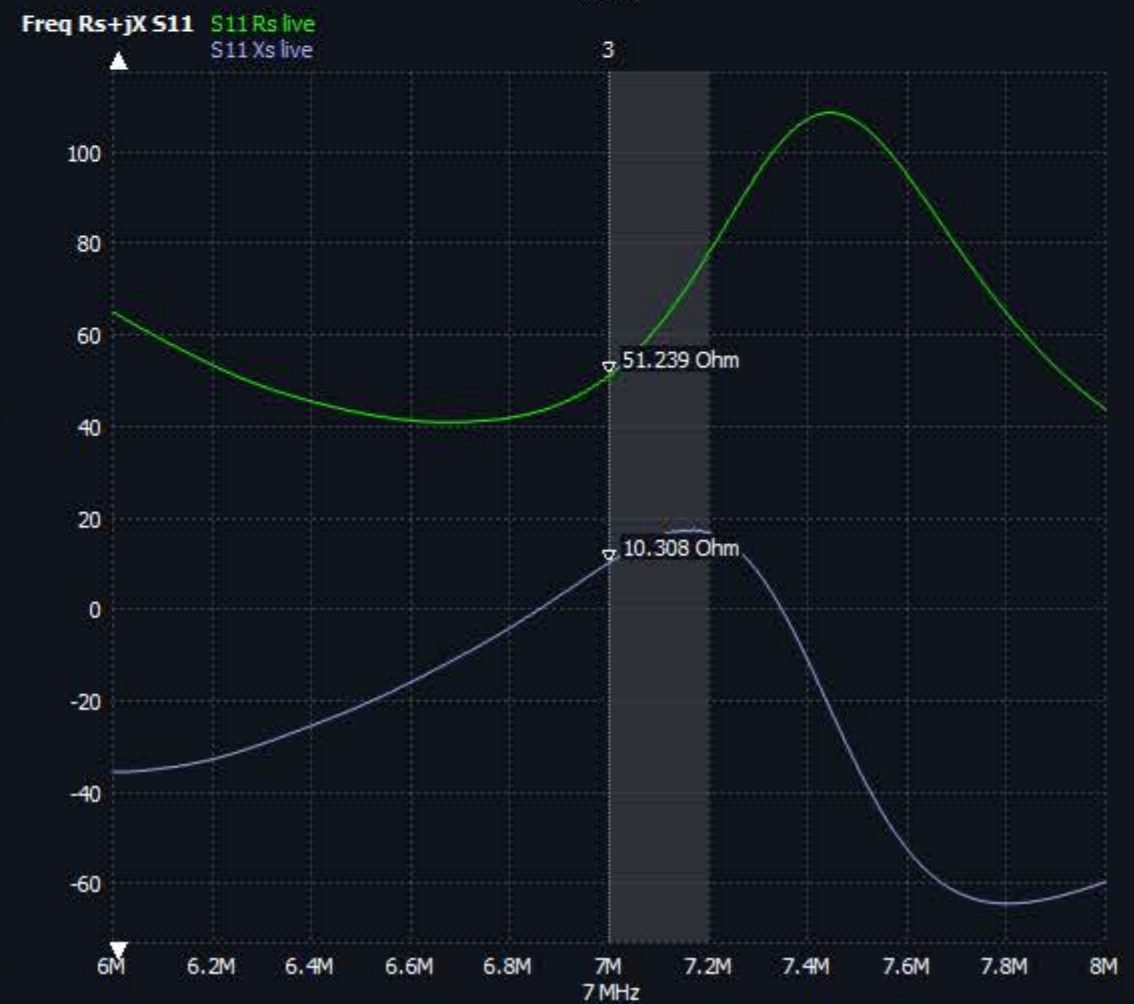
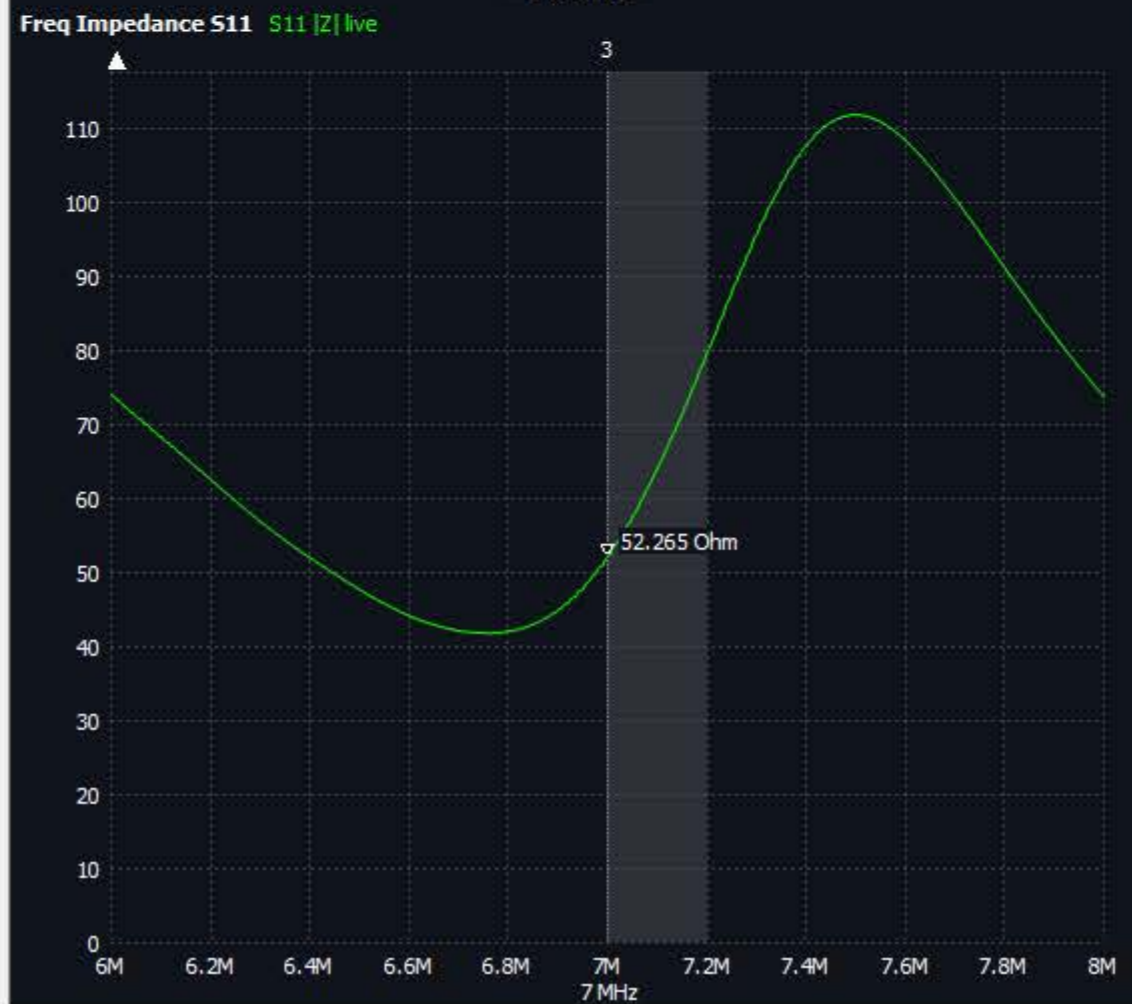
Real Imag -78.718m - j22.242m
 Polar 81.8m -164.222°
 VSWR 1.178
 Return Loss -21.745dB
 Quality Factor 0.045
 Group Delay 1.7325us
 Impedance 42.66 - j1.911
 |Z| 42.706
 Series R 42.6633
 Series X -1.91058
 Series L -44.517nH
 Series C 12.195nF
 Parallel R 42.7488
 Parallel X -954.58
 Parallel L -22.242uH
 Parallel C 24.409pF
 Admittance 23.392m + j1.0476m

S21 info

Real Imag -10.944u + j2.1011u
 Gain -99.059dB
 Polar 11.144u+169.132°
 Quality Factor 0.192
 Group Delay -4.9663us
 Z shunt -274u + j52.5u
 |Z| shunt 278.6u
 Z series -8.81M - j1.69M
 |Z| series 8.9735M

Frequency markers

- 1 1.800 000 MHz
- 2 3.500 000 MHz
- 3 7.000 000 MHz
- 4 14.200 000 MHz
- 5 21.200 000 MHz
- 6 28.000 000 MHz
- 7 50.840 000 MHz
- 8 146.000 000 MHz



S11 info

Real Imag -78.718m - j22.242m
 Polar 81.8m -164.222°
 VSWR 1.178
 Return Loss -21.745dB
 Quality Factor 0.045
 Group Delay 1.7325us
 Impedance 42.66 - j1.911
 |Z| 42.706
 Series R 42.6633
 Series X -1.91058
 Series L -44.517nH
 Series C 12.195nF
 Parallel R 42.7488
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 Parallel L -22.242uH
 Parallel C 24.409pF
 Admittance 23.392m + j1.0476m

S21 info

Real Imag -10.944u + j2.1011u
 Gain -99.059dB
 Polar 11.144u+169.132°
 Quality Factor 0.192
 Group Delay -4.9663us
 Z shunt -274u + j52.5u
 |Z| shunt 278.6u
 Z series -8.81M - j1.69M
 |Z| series 8.9735M

Connected 192.168.1.40 8888 Cal APP Freq bands LC matching test

SD Card Info

Start (MHz) 10
 Stop (MHz) 11
 Center (MHz) 10.5
 Span (MHz) 1
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

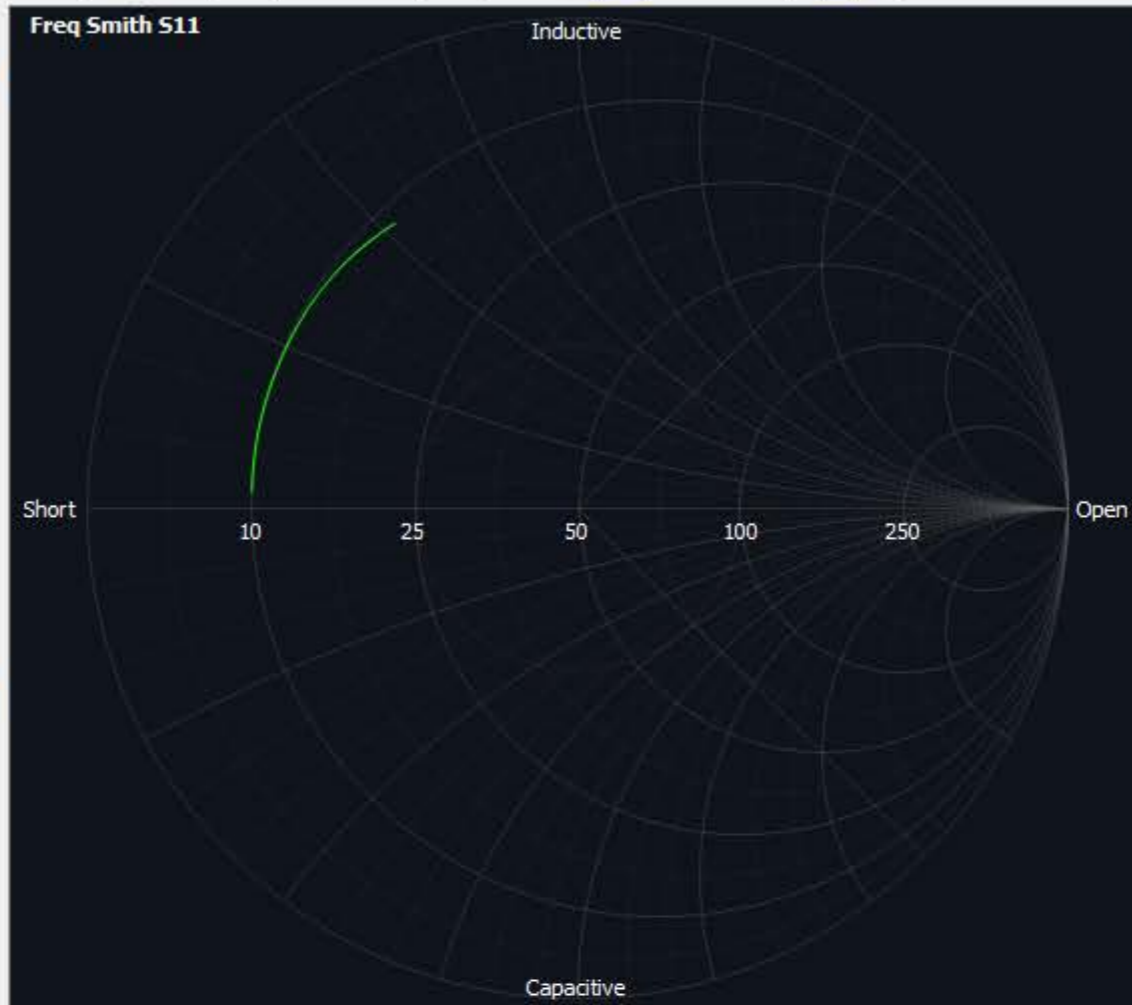
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Frequency 51.000 000 MHz
 Wavelength 5.87828m
 1/4 Wavelength 1.46957m

S11 info

Real Imag -718.37m + j542.86m
 Polar 900.41m +142.922°
 VSWR 19.083
 Return Loss -0.911dB
 Quality Factor 5.737
 Group Delay 0s
 Impedance 2.914 + j16.72
 |Z| 16.9683
 Series R 2.91387
 Series X 16.7163
 Series L 52.166nH
 Series C -186.69pF
 Parallel R 98.8116
 Parallel X 17.2242
 Parallel L 53.751nH
 Parallel C -181.18pF
 Admittance 10.12m - j58.058mS

S21 info

Real Imag -718.37m + j542.86m
 Gain -0.911dB
 Polar 900.41m +142.922°
 Quality Factor 0.355
 Group Delay 41.667ns
 Z shunt -11.77 + j4.179
 |Z| shunt 12.4913
 Z series -188.6 - j66.96
 |Z| series 200.139

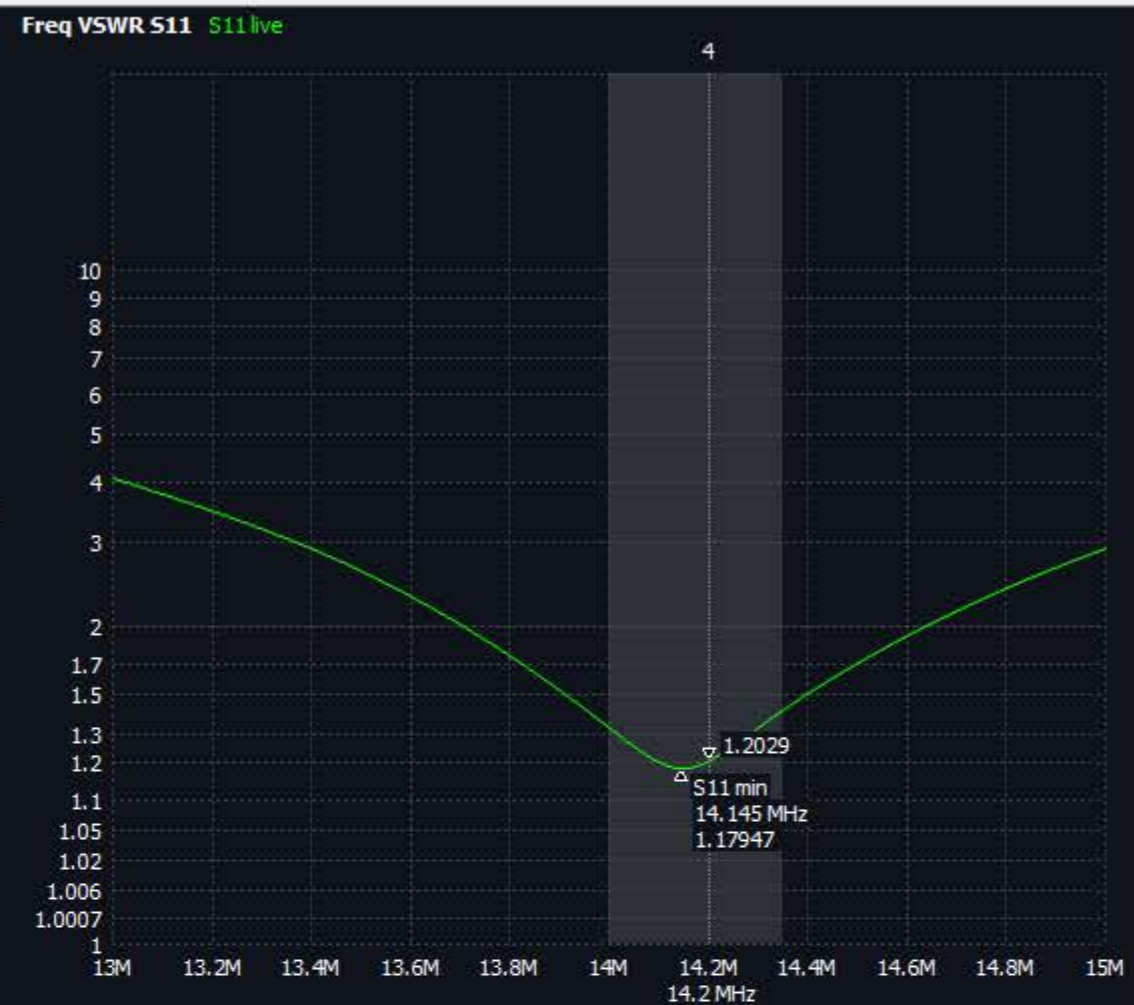
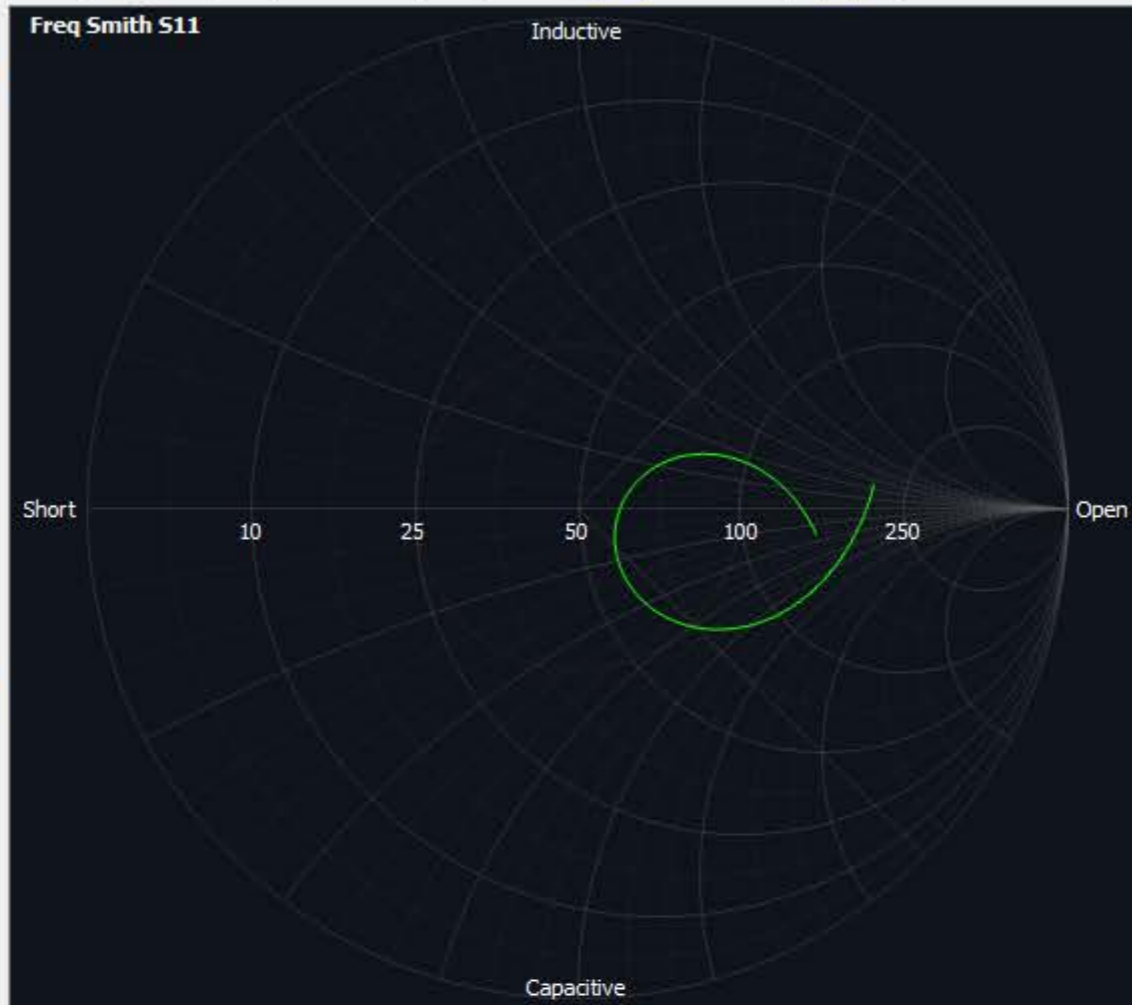
Start (MHz) 13
 Stop (MHz) 15
 Center (MHz) 14
 Span (MHz) 2
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV



Frequency 51.000 000 MHz
 Wavelength 5.87828m
 1/4 Wavelength 1.46957m

S11 info

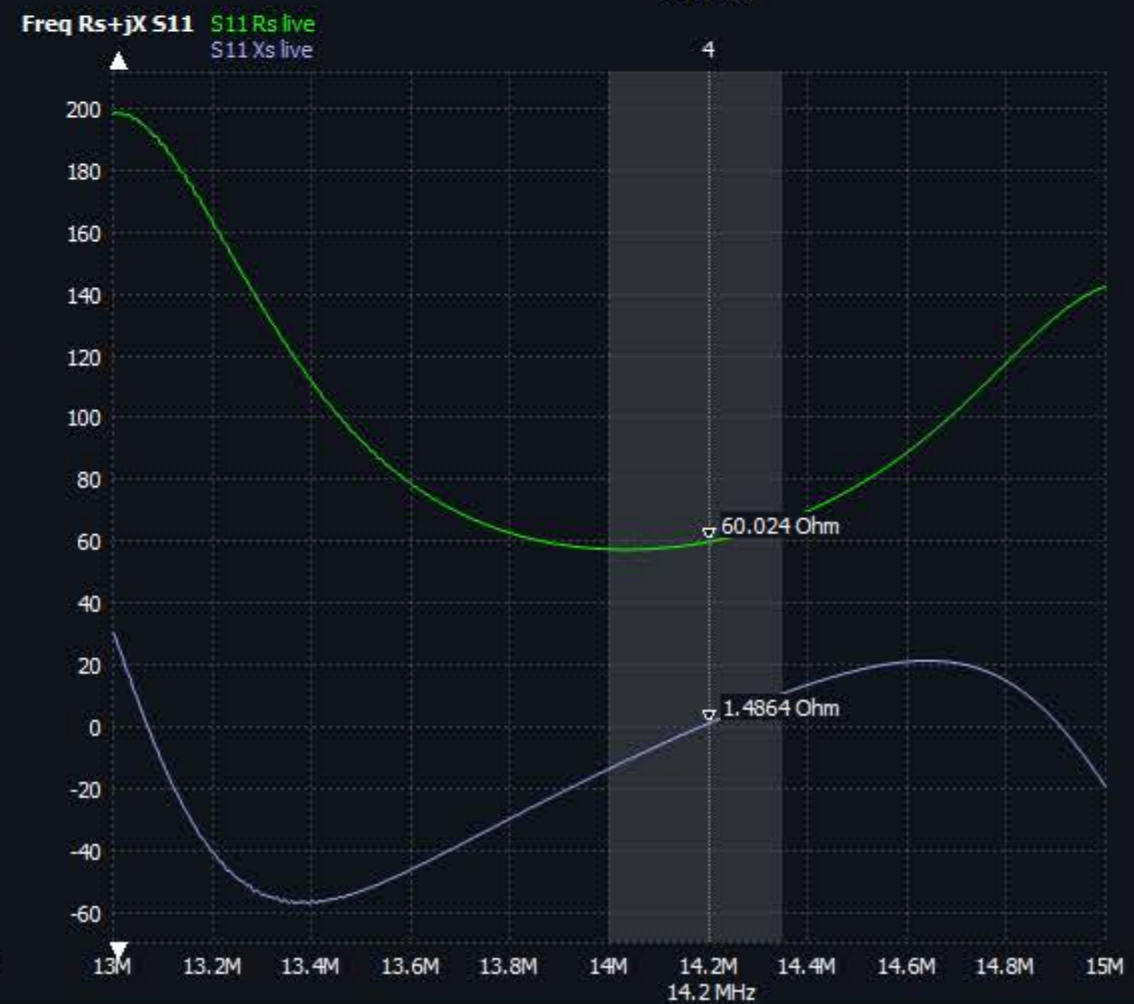
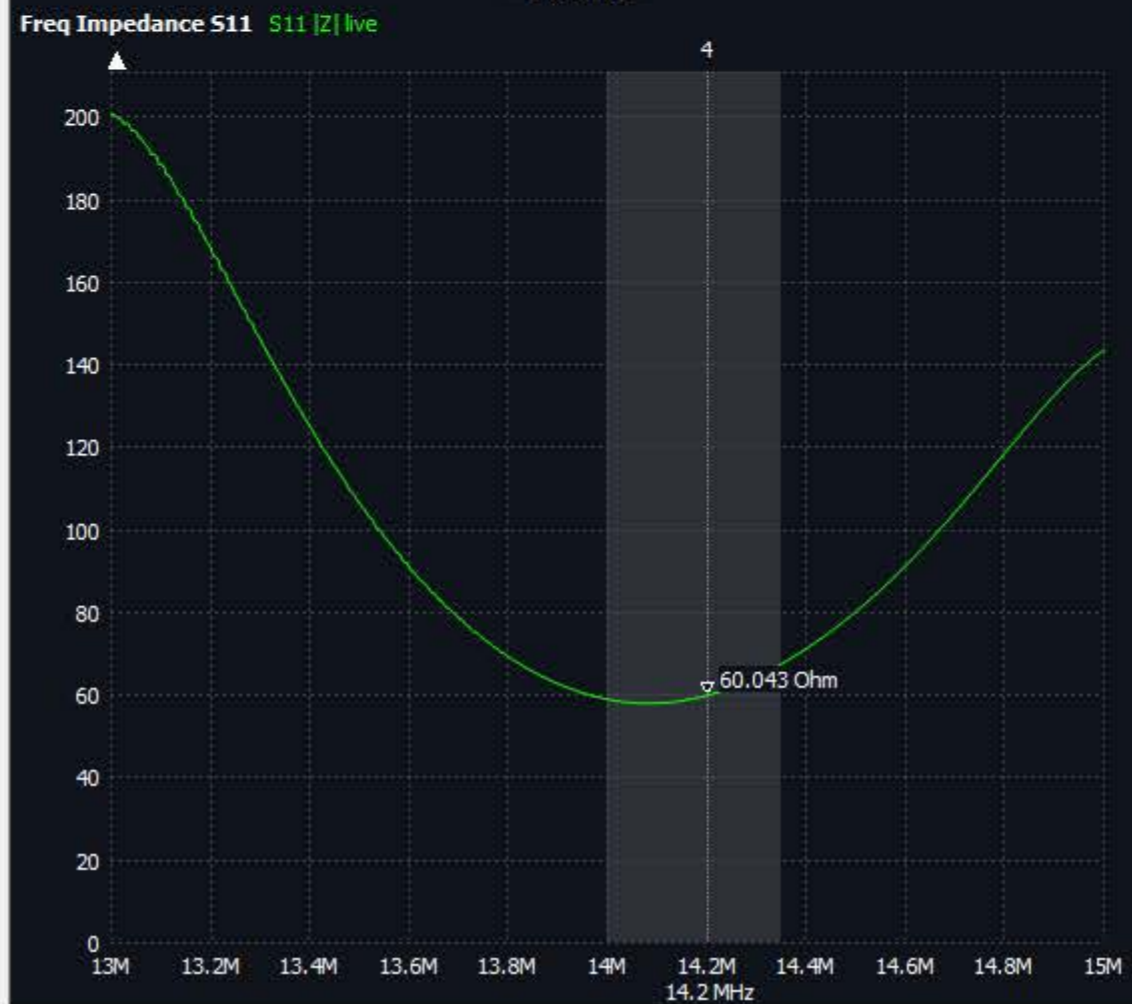
Real Imag	-510.2m + j844.9m
Polar	987m +121.126°
VSWR	152.797
Return Loss	-0.114dB
Quality Factor	65.397
Group Delay	0s
Impedance	431m + j28.21
Z	28.2176
Series R	431.43m
Series X	28.2143
Series L	88.048nH
Series C	-110.61pF
Parallel R	1.8456k
Parallel X	28.2209
Parallel L	88.069nH
Parallel C	-110.58pF
Admittance	541.84u - j35.435mS

S21 info

Real Imag	-510.2m + j844.9m
Gain	-0.114dB
Polar	987m +121.126°
Quality Factor	0.569
Group Delay	0s
Z shunt	-12.39 + j7.054
Z shunt	14.259
Z series	-152.4 - j86.73
Z series	175.328

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Real Imag -510.2m + j844.9m
 Gain -0.114dB
 Polar 987m +121.126°
 Quality Factor 0.569
 Group Delay 0s
 Z shunt -12.39 + j7.054
 |Z| shunt 14.259
 Z series -152.4 - j86.73
 |Z| series 175.328

Connected 192.168.1.40 8888

Start (MHz) 18
 Stop (MHz) 19
 Center (MHz) 18.5
 Span (MHz) 1
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

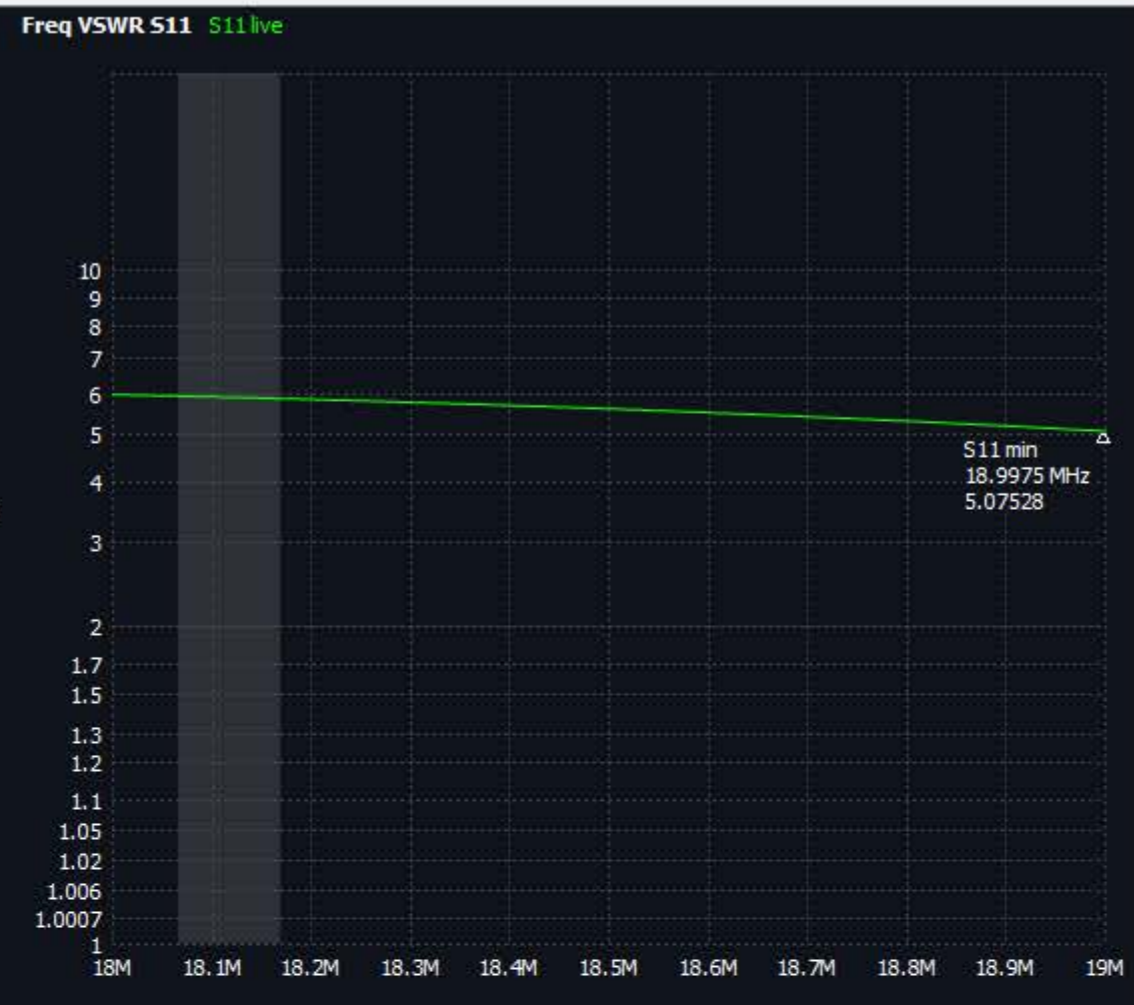
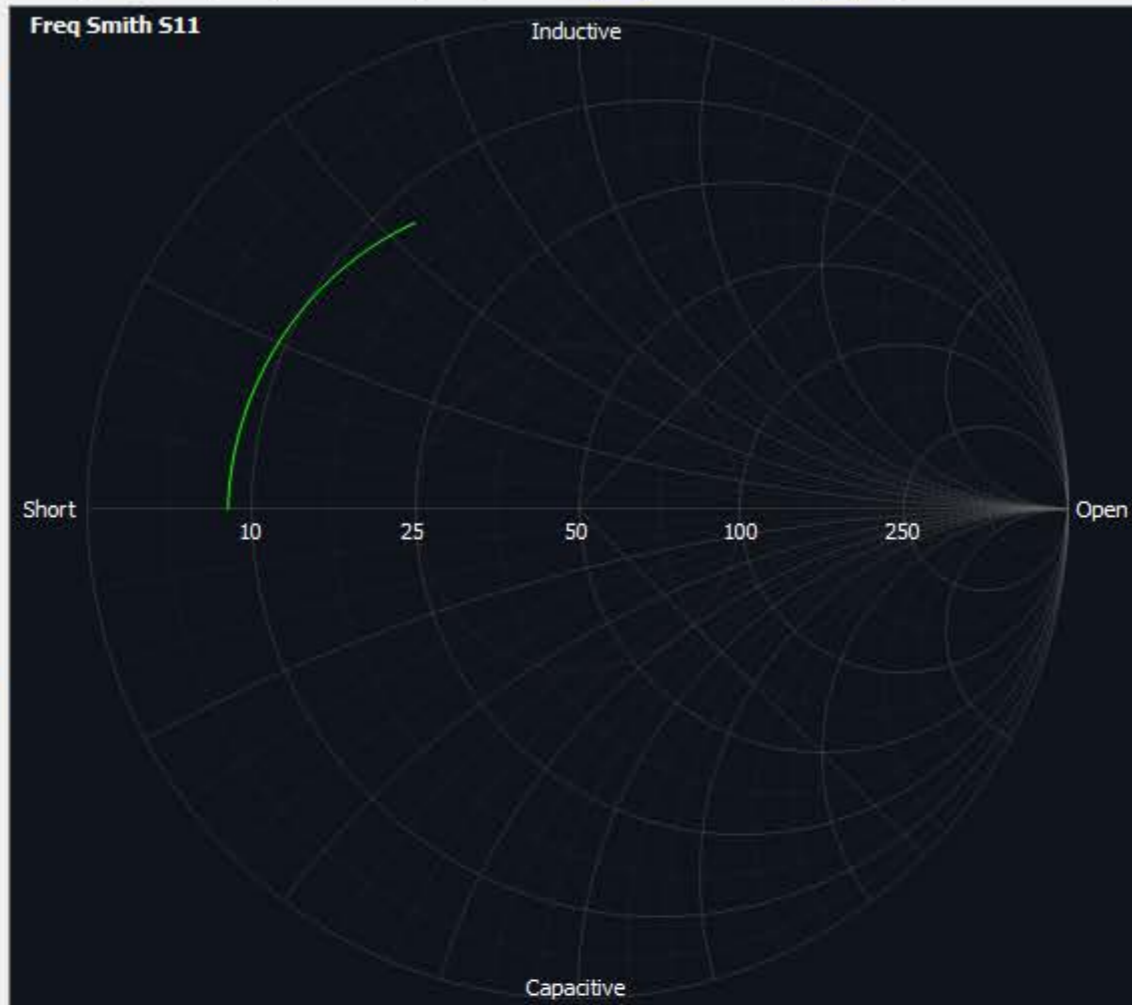
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Frequency 51.000 000 MHz
 Wavelength 5.87828m
 1/4 Wavelength 1.46957m

S11 info

- Real Imag -510.2m + j844.9m
- Polar 987m +121.126°
- VSWR 152.797
- Return Loss -0.114dB
- Quality Factor 65.397
- Group Delay 0s
- Impedance 431m + j28.21
- |Z| 28.2176
- Series R 431.43m
- Series X 28.2143
- Series L 88.048nH
- Series C -110.61pF
- Parallel R 1.8456k
- Parallel X 28.2209
- Parallel L 88.069nH
- Parallel C -110.58pF
- Admittance 541.84u - j35.435mS

S21 info

- Real Imag -510.2m + j844.9m
- Gain -0.114dB
- Polar 987m +121.126°
- Quality Factor 0.569
- Group Delay 0s
- Z shunt -12.39 + j7.054
- |Z| shunt 14.259
- Z series -152.4 - j86.73
- |Z| series 175.328

Start (MHz) 20
 Stop (MHz) 22
 Center (MHz) 21
 Span (MHz) 2
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

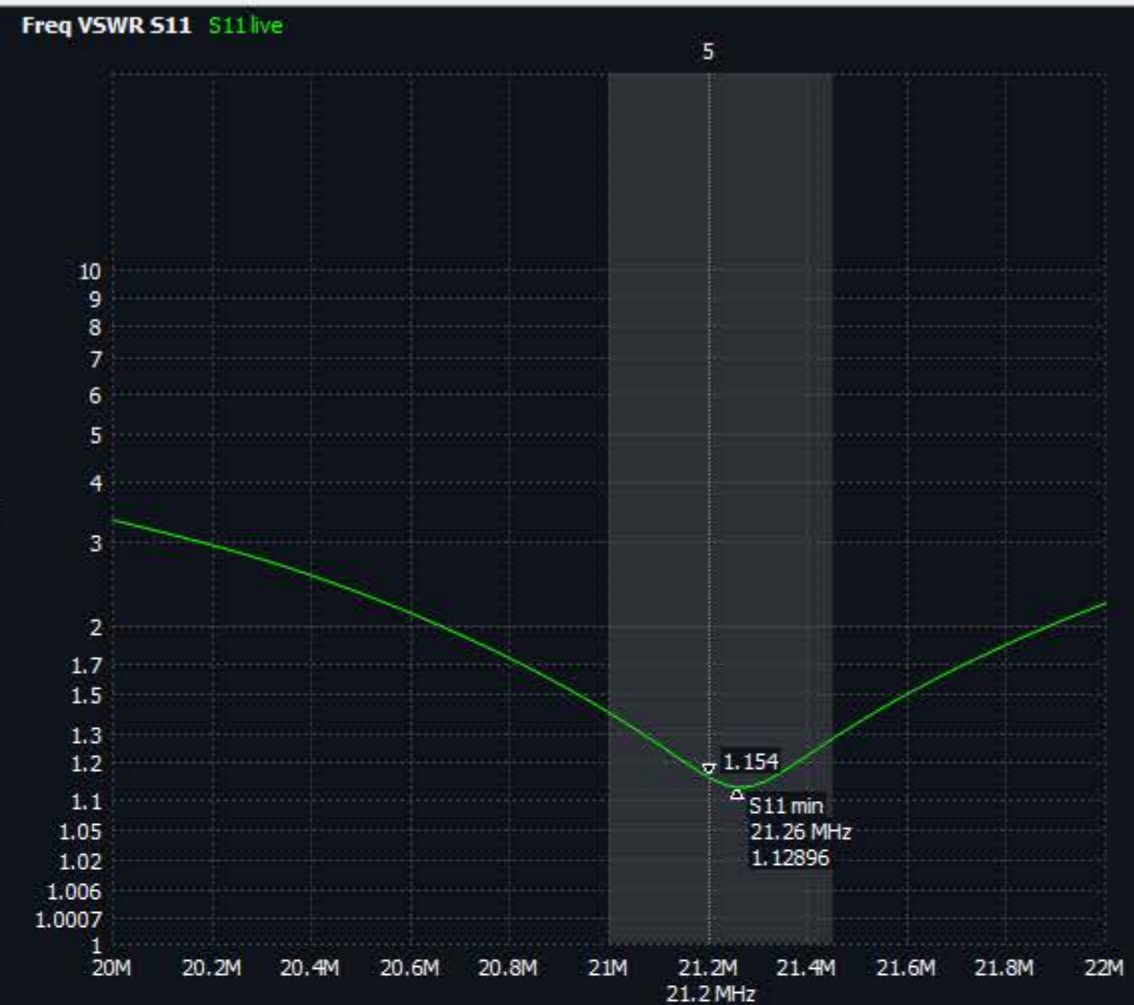
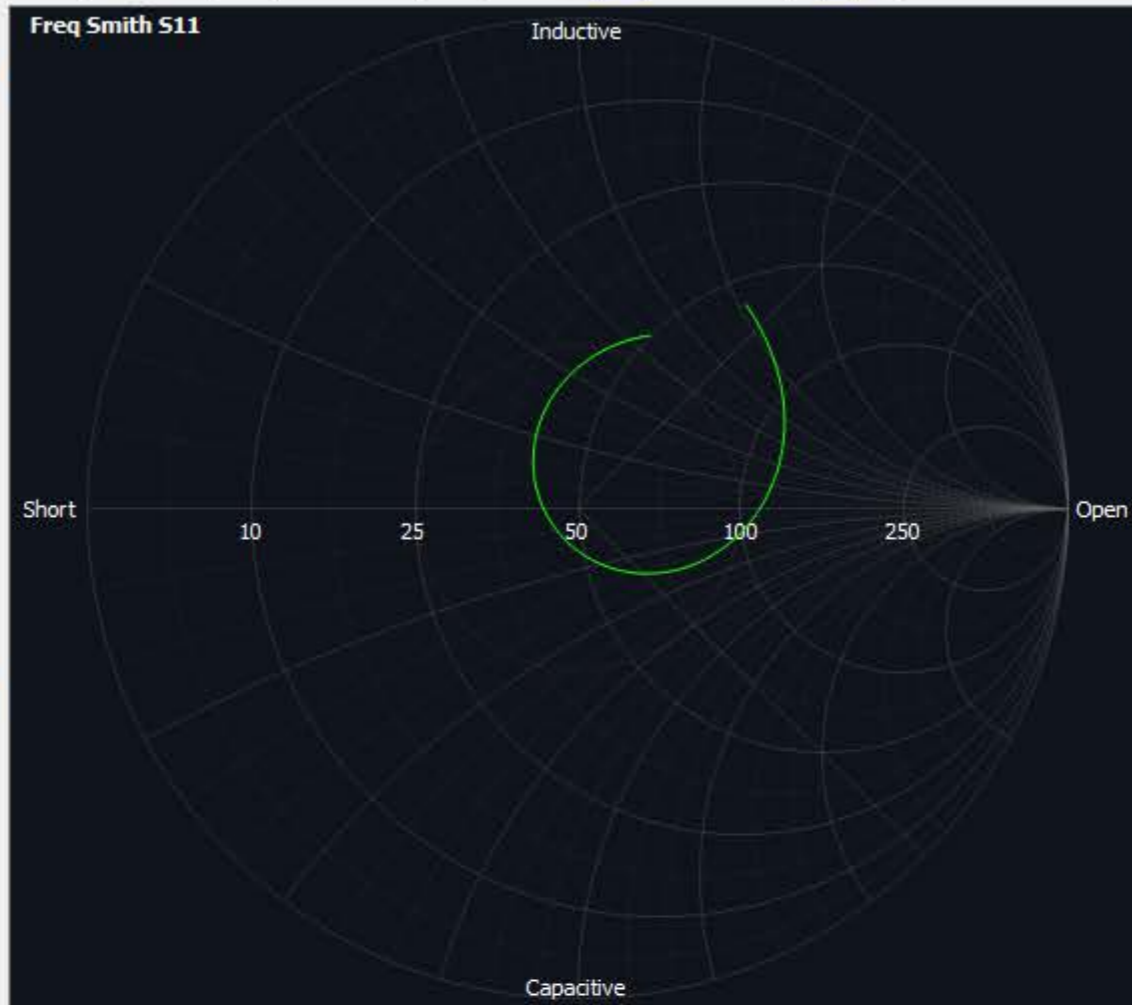
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph

S1P S2P CSV

Frequency markers



Frequency 51.000 000 MHz
 Wavelength 5.87828m
 1/4 Wavelength 1.46957m

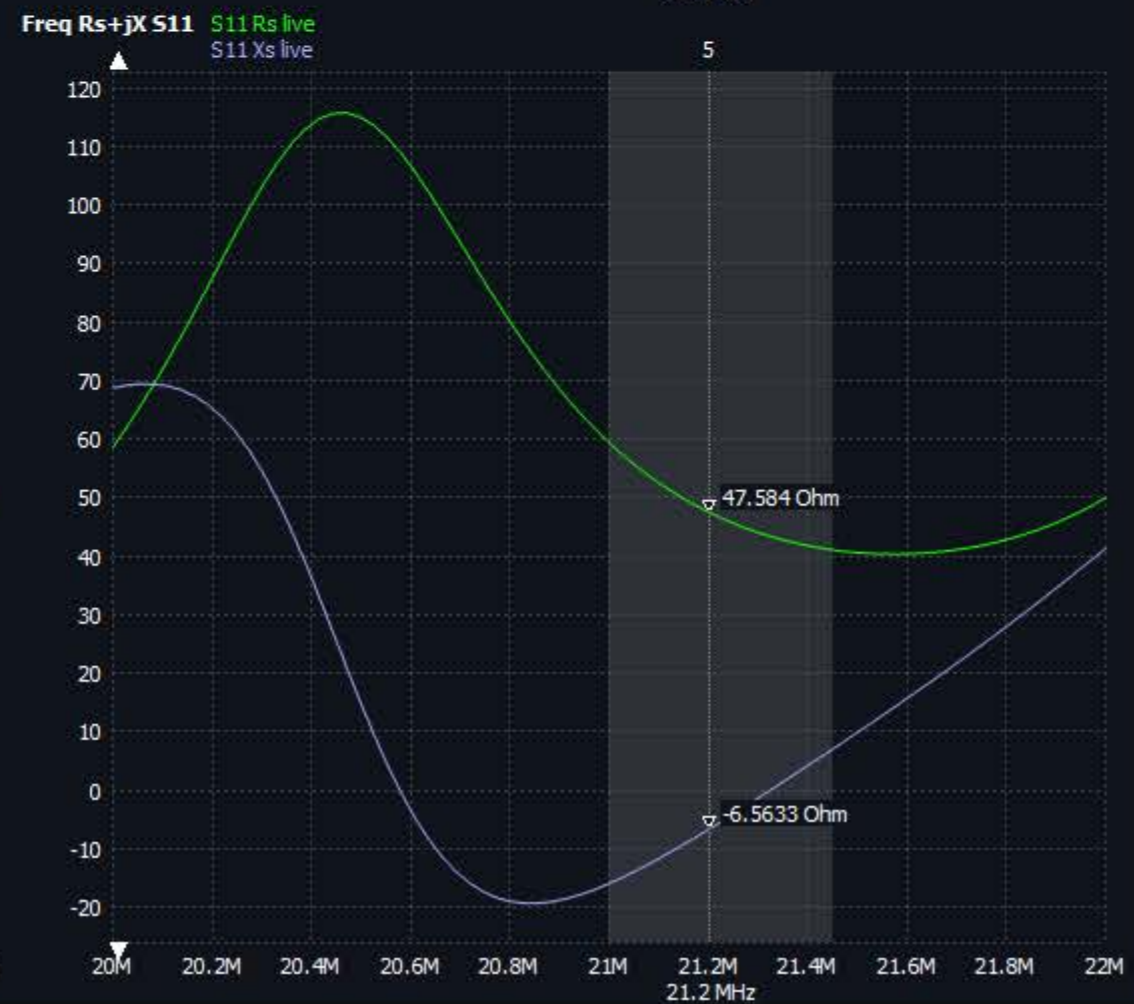
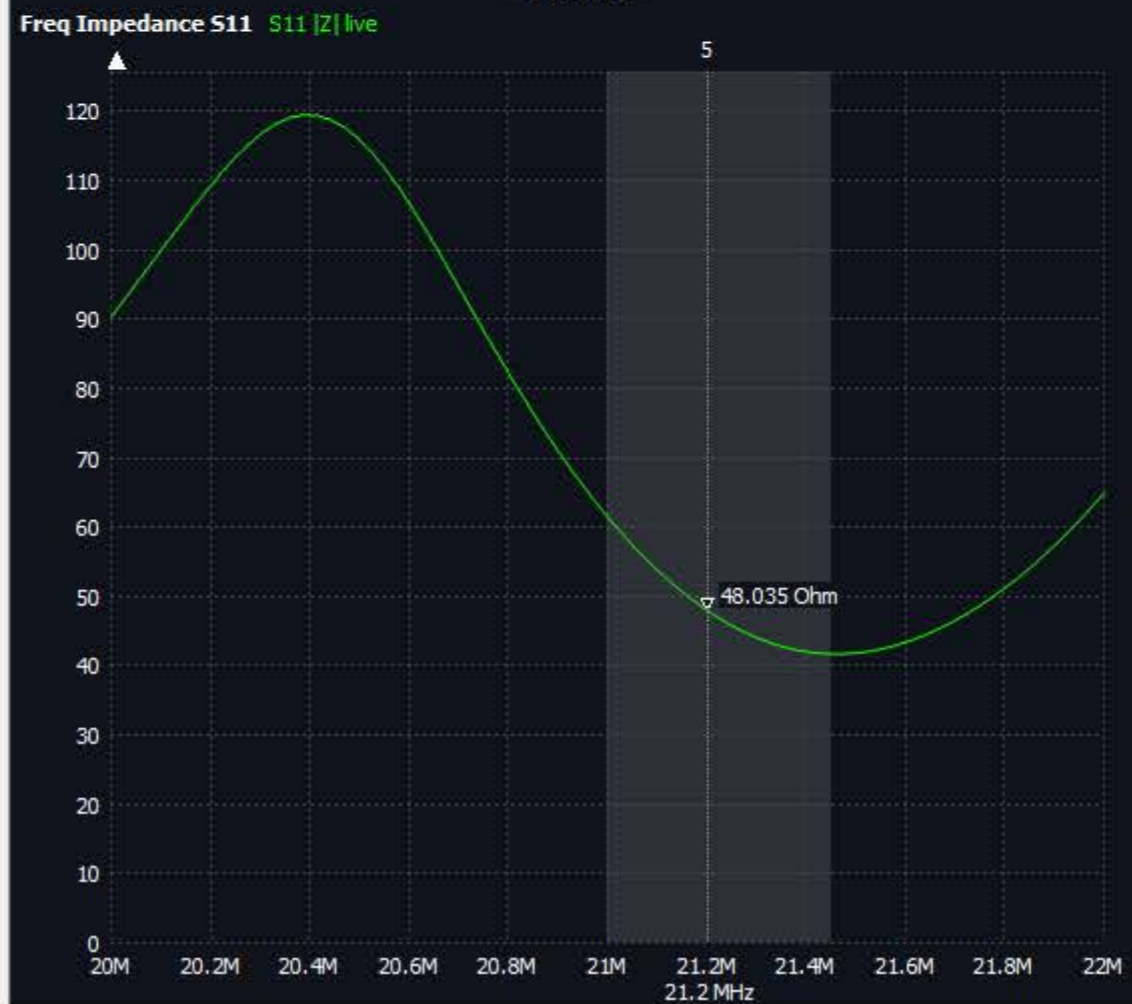
S11 info

- Real Imag 591.84m + j804.08m
- Polar 998.41m +53.6454°
- VSWR 1255.062
- Return Loss -0.014dB
- Quality Factor 505.392
- Group Delay 0s
- Impedance 196m + j98.89
- |Z| 98.8856
- Series R 195.66m
- Series X 98.8855
- Series L 308.59nH
- Series C -31.559pF
- Parallel R 49.974k
- Parallel X 98.8858
- Parallel L 308.59nH
- Parallel C -31.558pF
- Admittance 20.01u - j10.113mS

S21 info

- Real Imag 591.84m+ j804.08m
- Gain -0.014dB
- Polar 998.41m+53.6454°
- Quality Factor 1.985
- Group Delay 0s
- Z shunt -12.45 + j24.72
- |Z| shunt 27.6799
- Z series -40.63 - j80.66
- |Z| series 90.3183

- 1.800 000 MHz
- 3.500 000 MHz
- 7.000 000 MHz
- 14.200 000 MHz
- 21.200 000 MHz
- 28.000 000 MHz
- 50.840 000 MHz
- 146.000 000 MHz



S21 info

- Real Imag 591.84m+ j804.08m
- Gain -0.014dB
- Polar 998.41m+53.6454°
- Quality Factor 1.985
- Group Delay 0s
- Z shunt -12.45 + j24.72
- |Z| shunt 27.6799
- Z series -40.63 - j80.66
- |Z| series 90.3183

Connected 192.168.1.40 8888 Cal APP Freq bands LC matching test

Start (MHz) 24
 Stop (MHz) 26
 Center (MHz) 25
 Span (MHz) 2
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

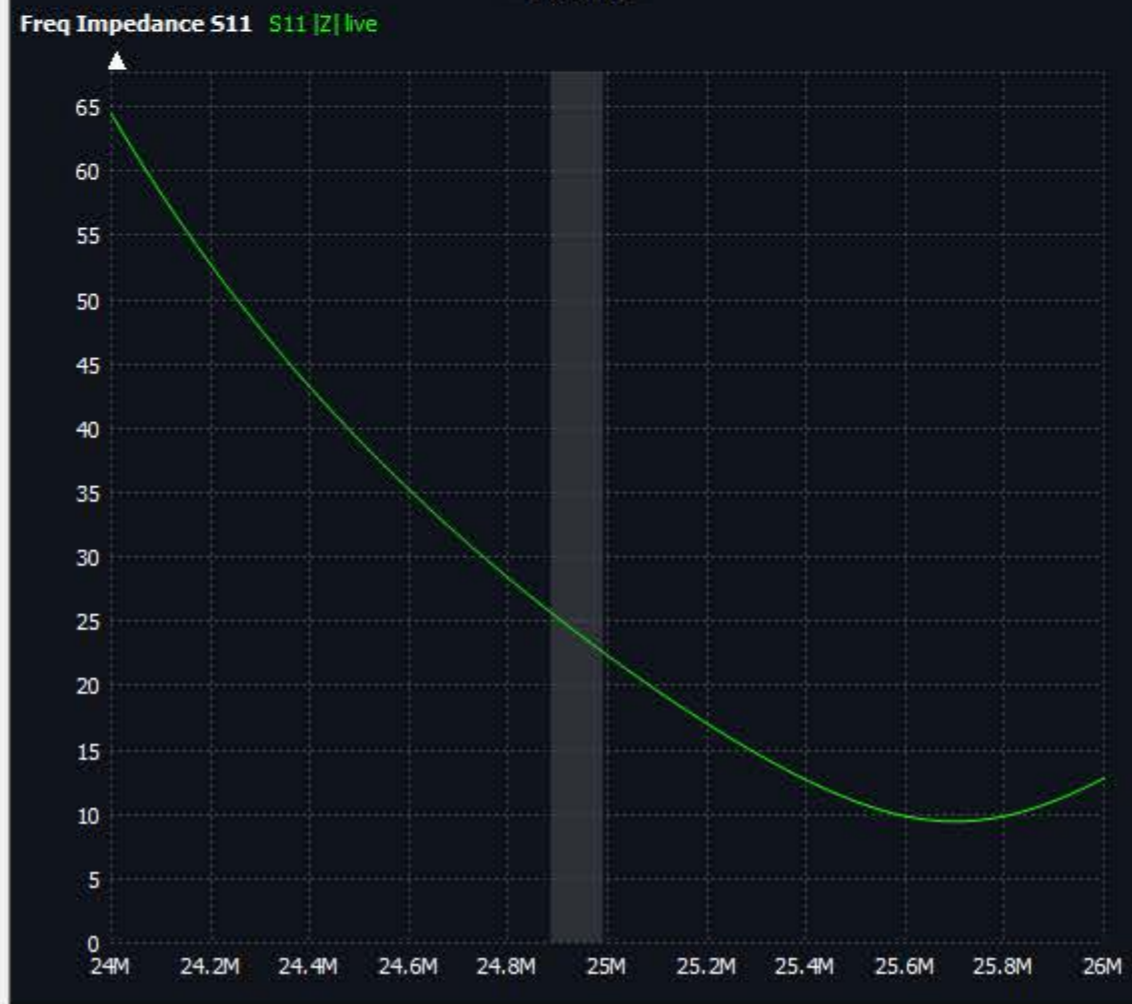
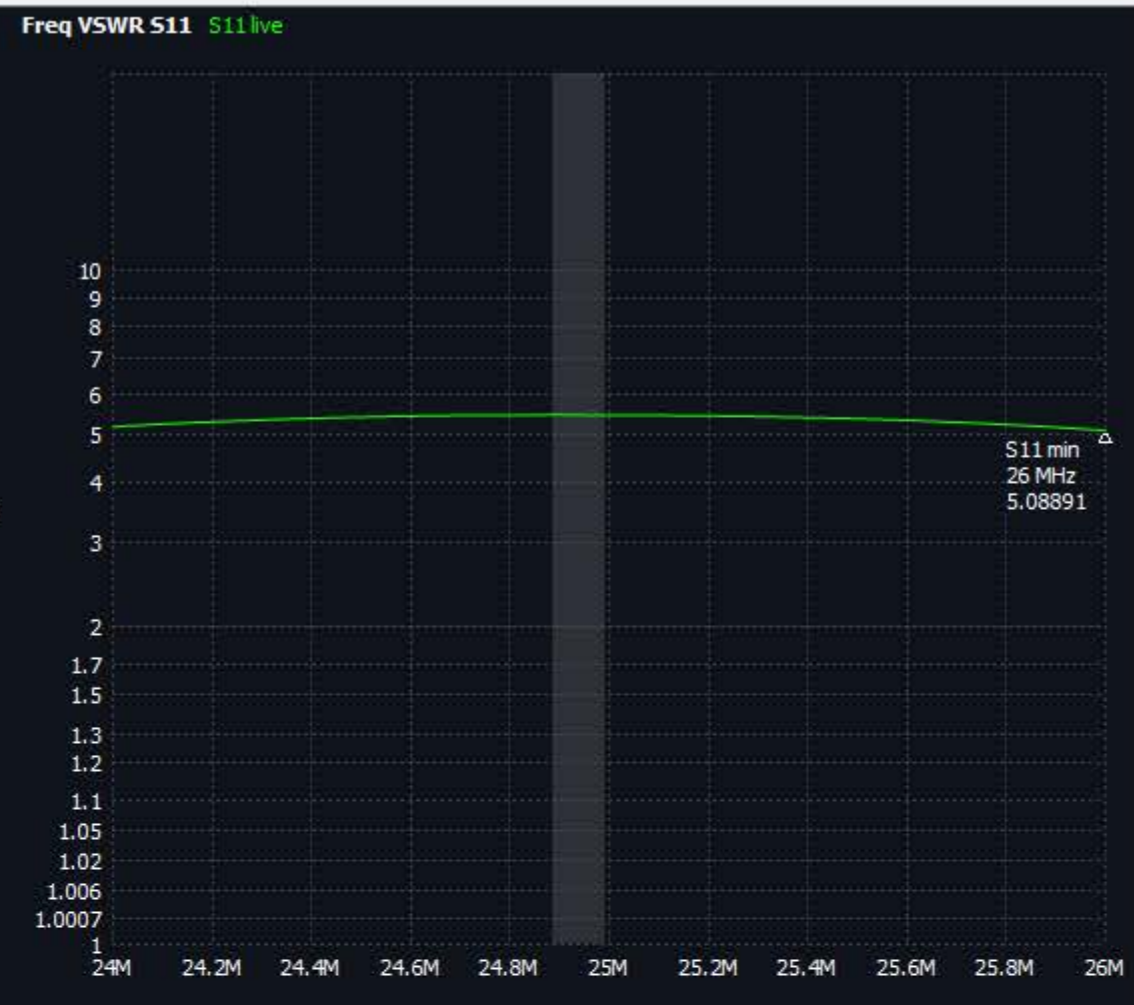
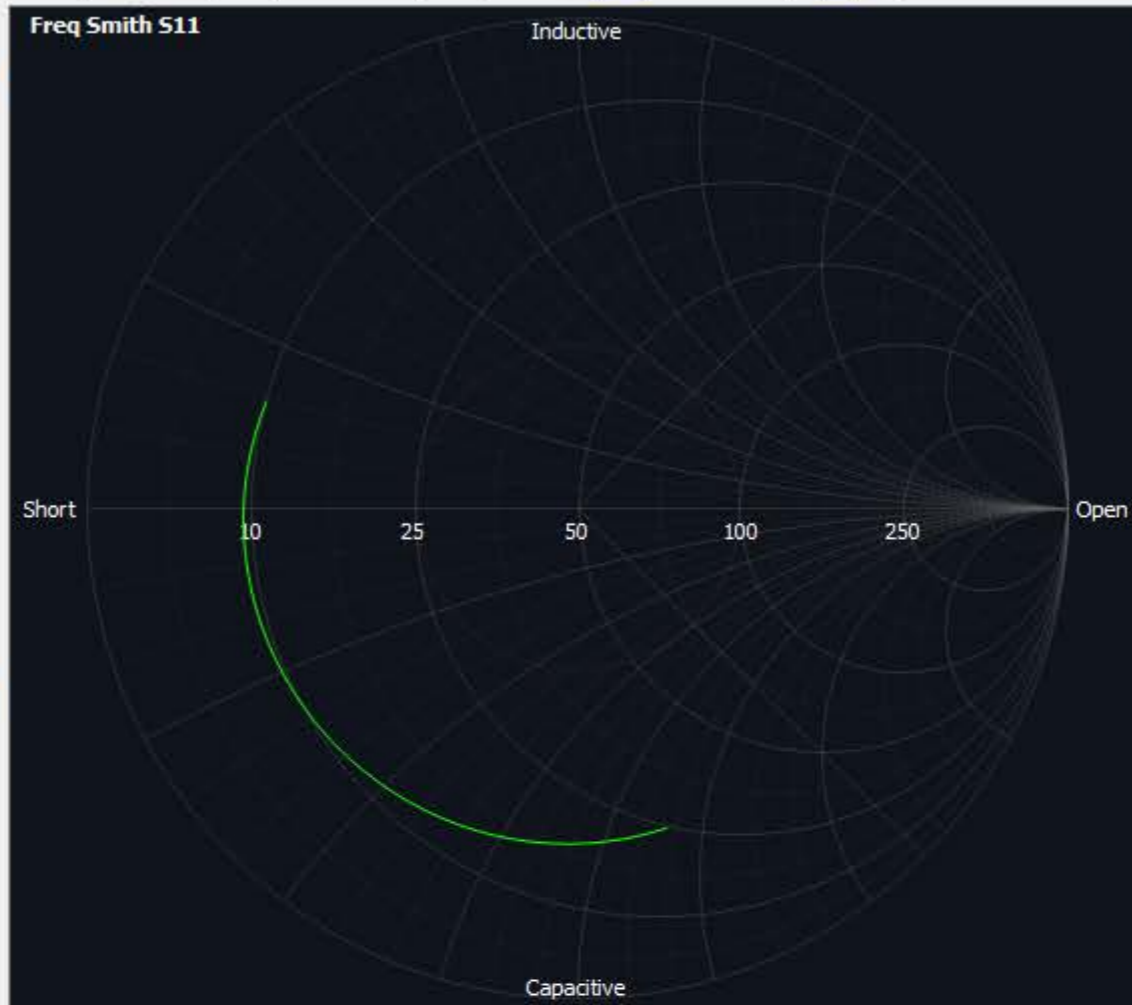
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Mouse, live

Frequency 24.016 129 MHz
 Wavelength 12.483m
 1/4 Wavelength 3.12074m

S11 info

Real Imag 170.55m - j655.05m
 Polar 676.88m -75.4065°
 VSWR 5.190
 Return Loss -3.39dB
 Quality Factor 2.418
 Group Delay 172.26ns
 Impedance 24.25 - j58.64
 |Z| 63.4566
 Series R 24.252
 Series X -58.6394
 Series L -388.6nH
 Series C 113.01pF
 Parallel R 166.037
 Parallel X -68.6695
 Parallel L -455.07nH
 Parallel C 96.506pF
 Admittance 6.0227m + j14.563m

S21 info

Real Imag -7.7887u- j43.668u
 Gain -87.061dB
 Polar 44.357u-100.113°
 Quality Factor 5.605
 Group Delay 2.6112us
 Z shunt -194u - j1.09m
 |Z| shunt 1.1089m
 Z series -396k + j2.22M
 |Z| series 2.2545M

Connected 192.168.1.40 8888 Cal APP Freq bands LC matching test

Start (MHz) 27
 Stop (MHz) 30
 Center (MHz) 28.5
 Span (MHz) 3
 CW CW (MHz) 51
 Number of points 401
 Point RBW (Hz) 1000
 e-delay (ps) 0
 S21 offset (dB) 0

Time averaging off
 Trace smooth off
 Median filter off
 TDR window 2
 Output power 3

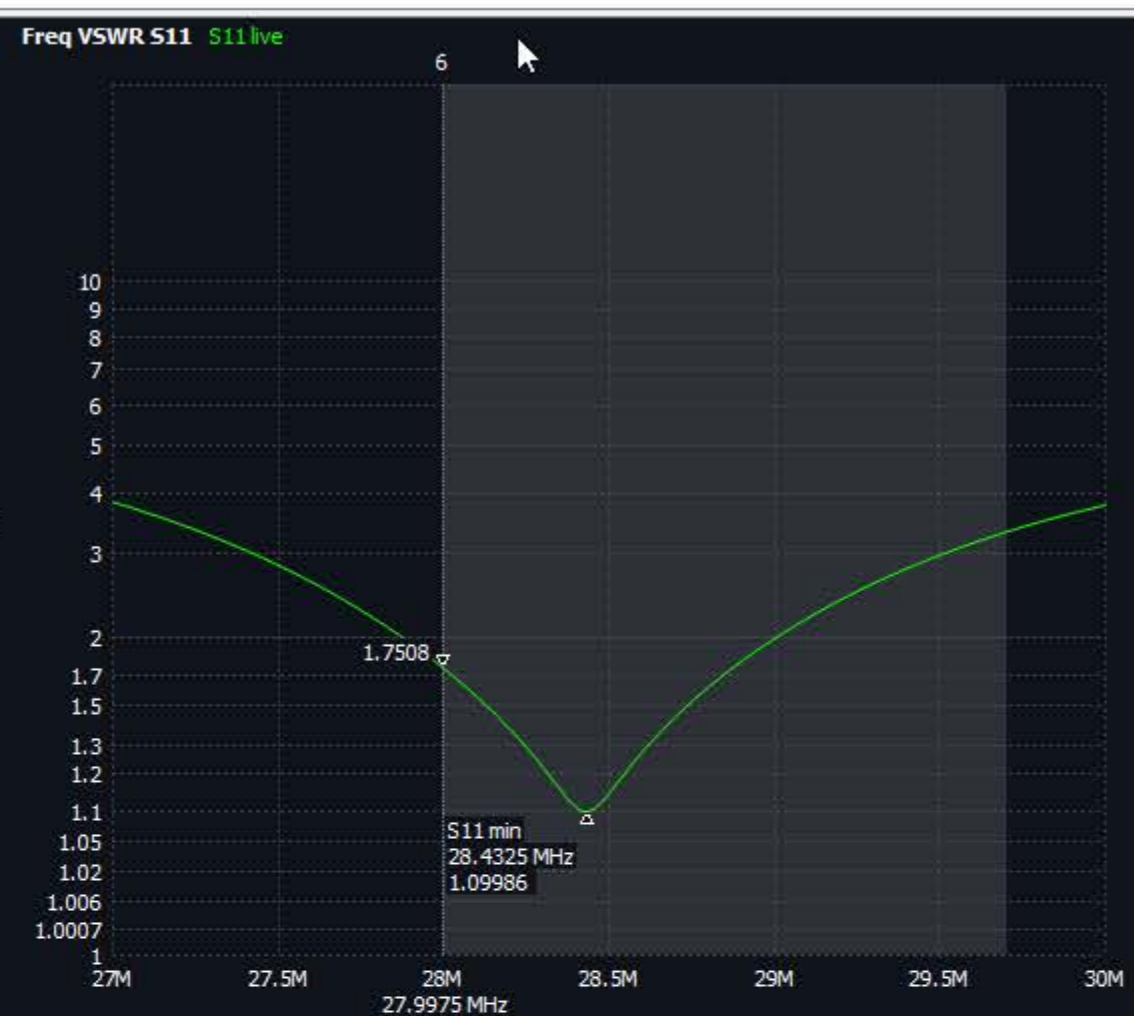
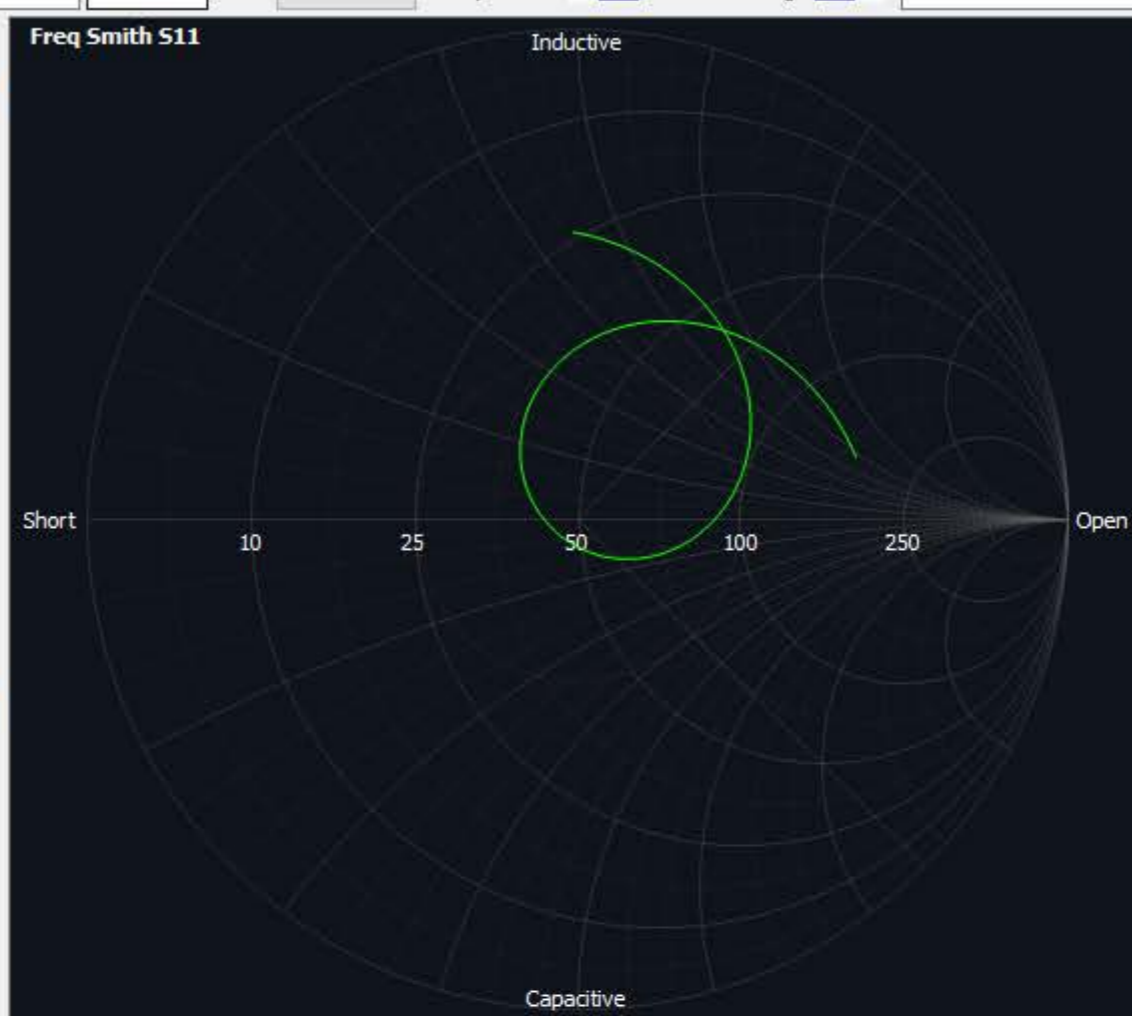
Set Norm Enable Norm

Live M1 M2 M3 M4

Form Graph Graph
 S1P S2P CSV

Frequency markers

1	1.800 000 MHz
2	3.500 000 MHz
3	7.000 000 MHz
4	14.200 000 MHz
5	21.200 000 MHz
6	28.000 000 MHz
7	50.840 000 MHz
8	146.000 000 MHz



Mouse, live

Frequency 28.155 242 MHz
 Wavelength 10.6478m
 1/4 Wavelength 2.66196m

S11 info

- Real Imag 170.17m - j70.252m
- Polar 184.1m -22.4324°
- VSWR 1.451
- Return Loss -14.699dB
- Quality Factor 0.145
- Group Delay 410.01ns
- Impedance 69.65 - j10.13
- |Z| 70.3821
- Series R 69.6493
- Series X -10.1294
- Series L -57.259nH
- Series C 558.05pF
- Parallel R 71.1225
- Parallel X -489.035
- Parallel L -2.7644uH
- Parallel C 11.559pF
- Admittance 14.06m + j2.0448mS

S21 info

- Real Imag 14.139u- j536.99n
- Gain -96.985dB
- Polar 14.149u-2.17499°
- Quality Factor 0.038
- Group Delay 8.07us
- Z shunt 353u - j13.4u
- |Z| shunt 353.74u
- Z series 7.06M + j268k
- |Z| series 7.0674M

