

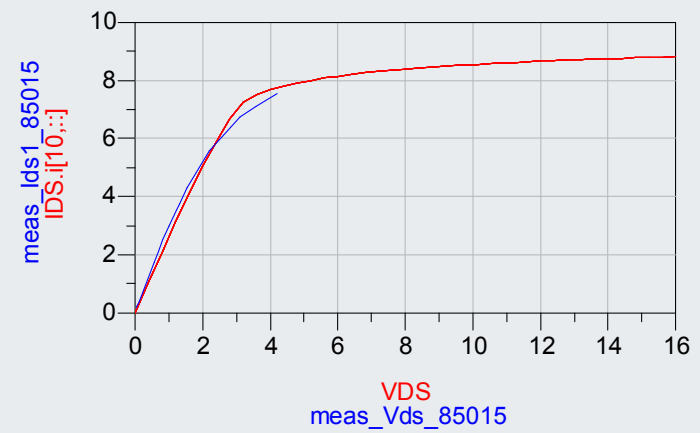
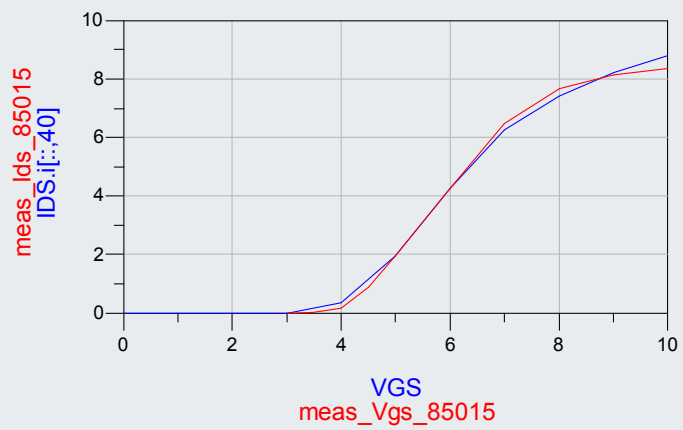
PD84006LE_rev1_0 Model Validation



Quakertown , PA
Qtn-jp-274-rev1_0
November 7 , 2008

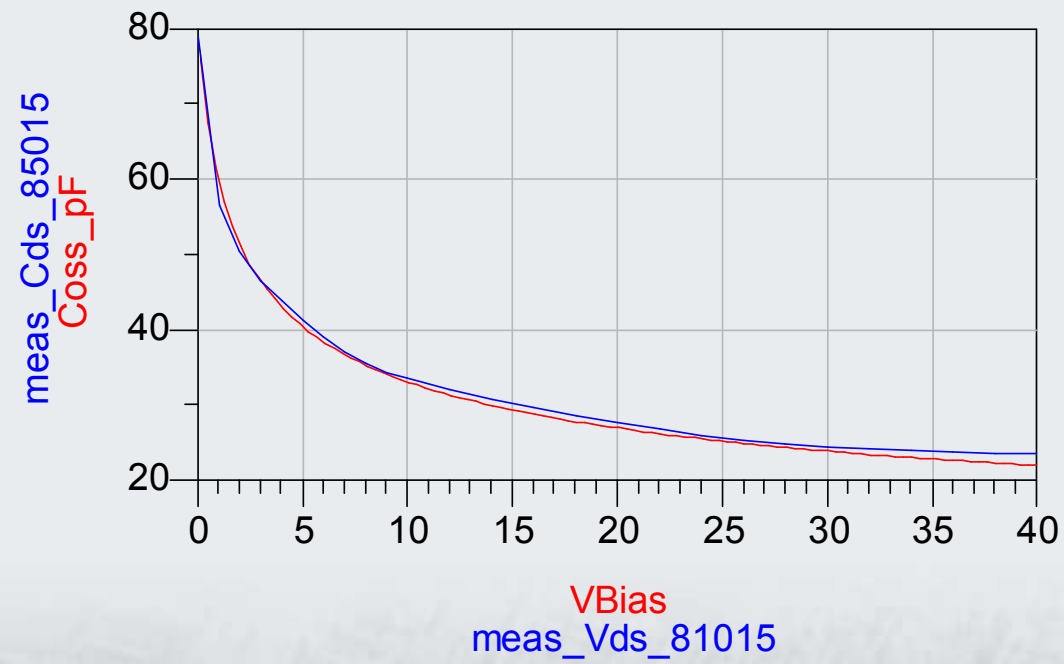
PD84006LE

DC



PD84006LE

Cds



PD84006LE

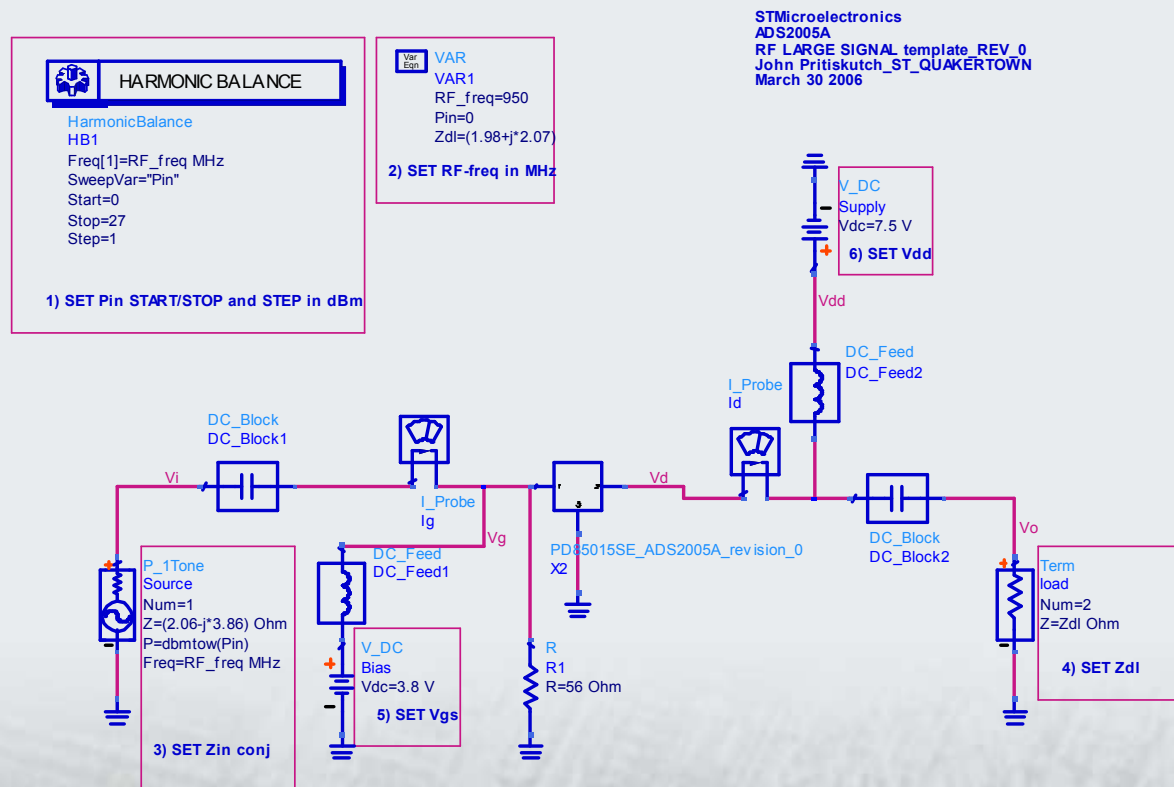
S-parameter

PD84006LE simulated 7.5 V , 150 mA

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
50.00 MHz	0.789 / -106.883	35.563 / 105.352	0.018 / 15.711	0.711 / -94.608
100.0 MHz	0.776 / -134.678	18.206 / 79.471	0.018 / -9.804	0.696 / -121.226
150.0 MHz	0.811 / -146.125	11.180 / 64.064	0.016 / -24.826	0.748 / -133.208
200.0 MHz	0.847 / -153.118	7.531 / 53.103	0.014 / -35.375	0.802 / -140.924
250.0 MHz	0.877 / -158.236	5.382 / 44.851	0.012 / -43.177	0.844 / -146.600
300.0 MHz	0.900 / -162.290	4.017 / 38.442	0.011 / -49.081	0.876 / -150.992
350.0 MHz	0.916 / -165.640	3.102 / 33.339	0.009 / -53.604	0.899 / -154.483
400.0 MHz	0.929 / -168.490	2.463 / 29.187	0.008 / -57.075	0.916 / -157.315
450.0 MHz	0.939 / -170.973	2.000 / 25.743	0.007 / -59.699	0.930 / -159.653
500.0 MHz	0.946 / -173.179	1.656 / 22.834	0.006 / -61.589	0.940 / -161.612
550.0 MHz	0.952 / -175.172	1.394 / 20.341	0.005 / -62.782	0.948 / -163.277
600.0 MHz	0.956 / -177.002	1.190 / 18.172	0.004 / -63.221	0.954 / -164.709
650.0 MHz	0.960 / -178.702	1.028 / 16.264	0.003 / -62.723	0.959 / -165.954
700.0 MHz	0.963 / 179.698	0.898 / 14.565	0.003 / -60.863	0.963 / -167.048
750.0 MHz	0.965 / 178.177	0.792 / 13.038	0.002 / -56.673	0.966 / -168.017
800.0 MHz	0.967 / 176.719	0.704 / 11.653	0.001 / -47.772	0.969 / -168.884
850.0 MHz	0.968 / 175.309	0.631 / 10.387	9.214E-4 / -28.078	0.971 / -169.663
900.0 MHz	0.970 / 173.936	0.569 / 9.221	7.535E-4 / 9.312	0.973 / -170.370
950.0 MHz	0.971 / 172.590	0.516 / 8.139	9.651E-4 / 43.329	0.975 / -171.014
1.000 GHz	0.971 / 171.264	0.471 / 7.130	0.001 / 60.072	0.976 / -171.605

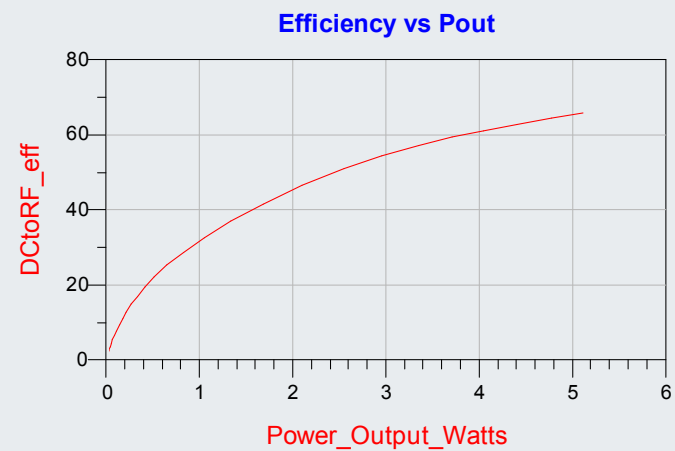
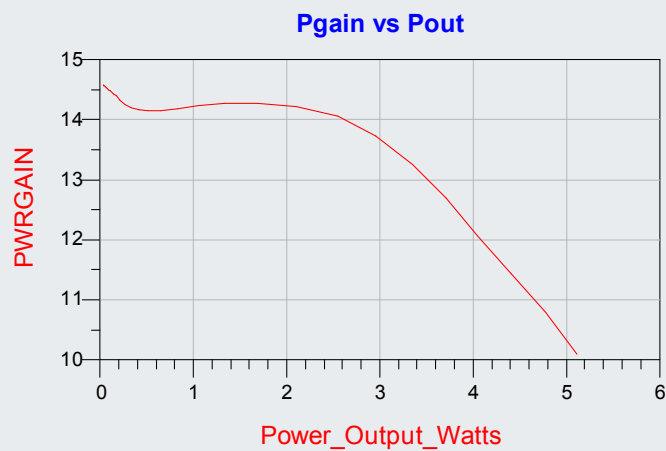


Large Signal template using PD84006LE modeled 950 MHz large signal impedances



PD84006LE

950 MHz Large Signal RF



PD84006LE

950 MHz Large Signal RF

