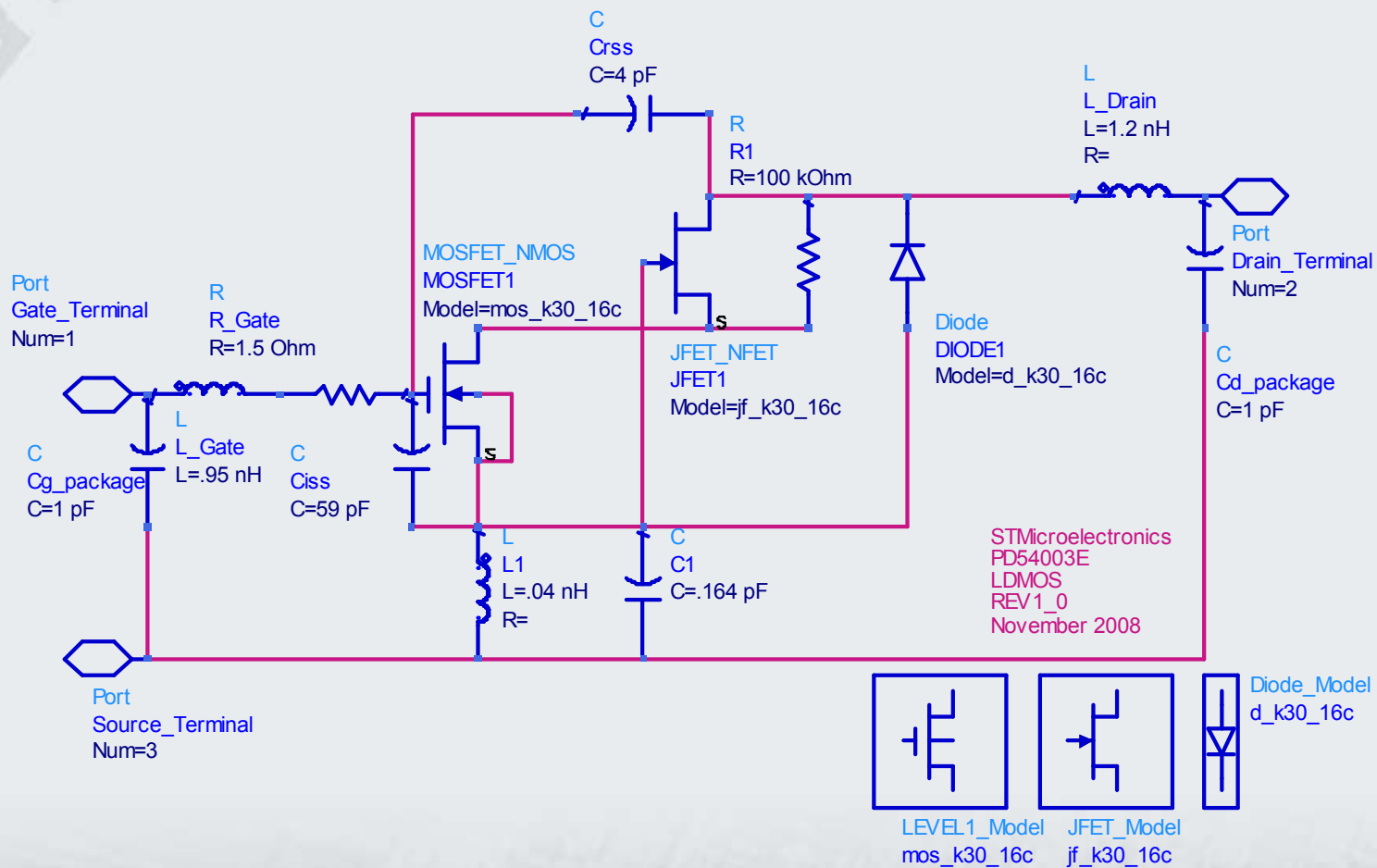


PD54003E_rev1_0
Model validation

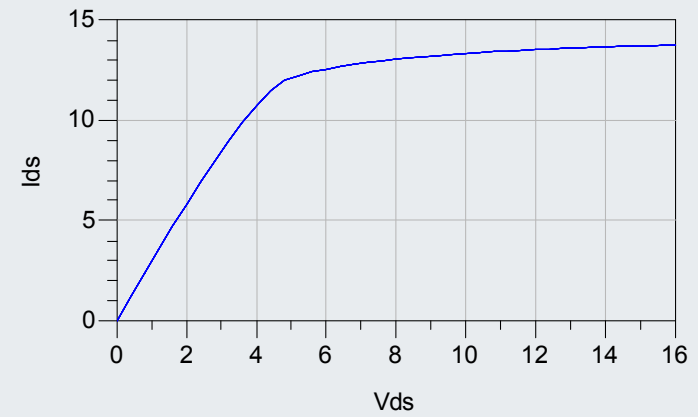
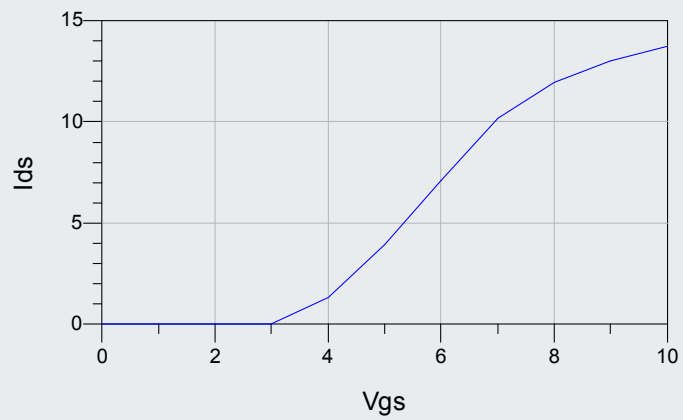


Quakertown , PA
Qtn-jp-211-rev1
November 18 , 2008



PD54003E

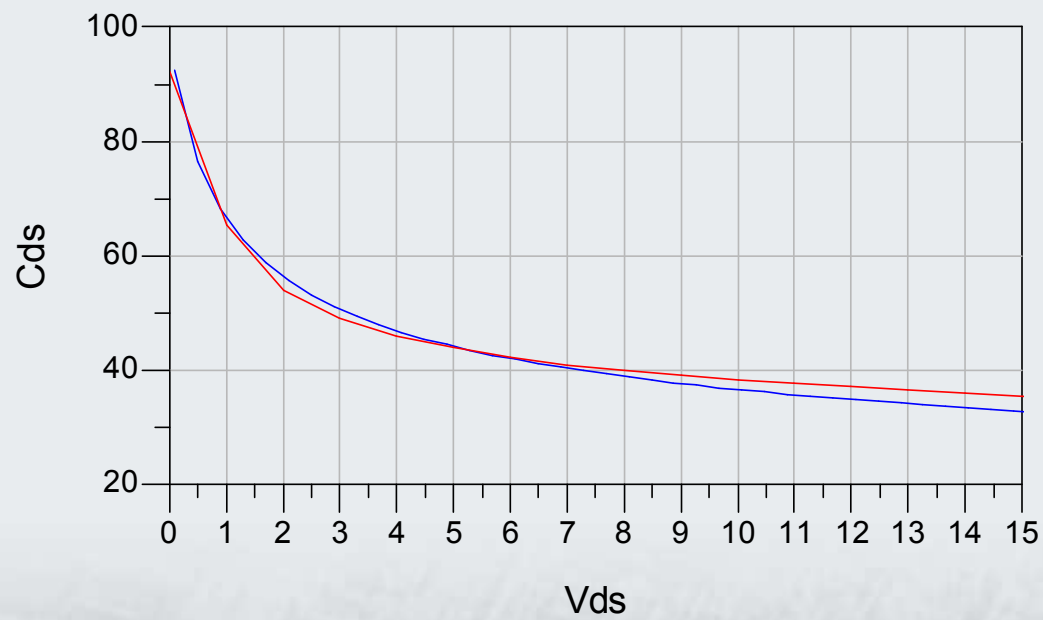
DC



PD54003E

C_{ds}

measured = red



PD54003E

S-parameter

measured

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
50.00 MHz	0.729 / -127.000	10.260 / 94.000	0.058 / 5.000	0.702 / -122.000
100.0 MHz	0.759 / -146.000	4.910 / 72.000	0.056 / -15.000	0.706 / -141.000
150.0 MHz	0.807 / -154.000	3.020 / 59.000	0.050 / -28.000	0.749 / -149.000
200.0 MHz	0.845 / -159.000	2.060 / 48.000	0.044 / -38.000	0.802 / -154.000
250.0 MHz	0.844 / -162.000	1.480 / 40.000	0.039 / -45.000	0.839 / -157.000
300.0 MHz	0.901 / -165.000	1.120 / 33.000	0.034 / -52.000	0.875 / -162.000
350.0 MHz	0.921 / -168.000	0.860 / 27.000	0.030 / -57.000	0.899 / -165.000
400.0 MHz	0.932 / -170.000	0.690 / 22.000	0.027 / -60.000	0.915 / -168.000
450.0 MHz	0.944 / -172.000	0.560 / 18.000	0.023 / -64.000	0.935 / -170.000
500.0 MHz	0.952 / -173.000	0.470 / 14.000	0.019 / -66.000	0.943 / -172.000
550.0 MHz	0.957 / -175.000	0.390 / 11.000	0.017 / -68.000	0.951 / -173.000
600.0 MHz	0.962 / -176.000	0.330 / 8.000	0.014 / -72.000	0.954 / -175.000

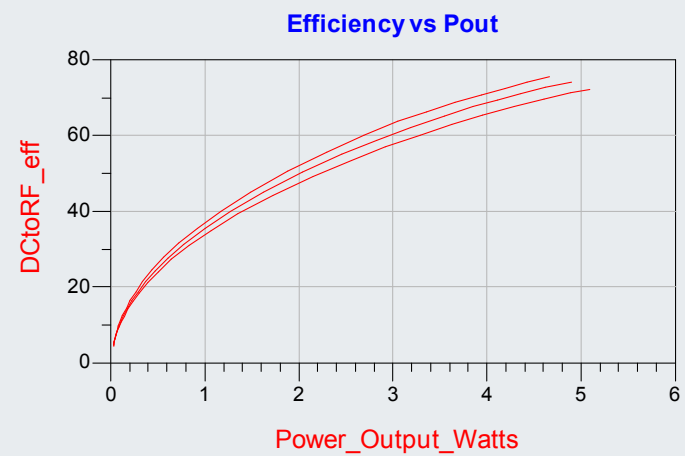
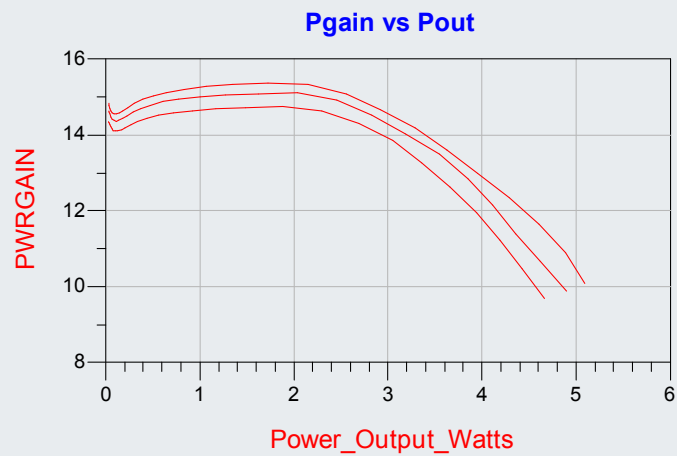
simulated

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
50.00 MHz	0.826 / -143.826	18.611 / 99.594	0.035 / 10.185	0.552 / -128.004
100.0 MHz	0.818 / -161.148	9.452 / 85.192	0.035 / -3.623	0.532 / -145.924
150.0 MHz	0.822 / -167.168	6.194 / 76.203	0.034 / -12.011	0.554 / -150.992
200.0 MHz	0.829 / -170.320	4.516 / 68.865	0.033 / -18.738	0.588 / -153.347
250.0 MHz	0.837 / -172.400	3.487 / 62.422	0.032 / -24.554	0.625 / -155.128
300.0 MHz	0.846 / -174.005	2.791 / 56.630	0.030 / -29.701	0.661 / -156.884
350.0 MHz	0.855 / -175.380	2.291 / 51.375	0.028 / -34.288	0.696 / -158.729
400.0 MHz	0.863 / -176.632	1.915 / 46.588	0.026 / -38.376	0.728 / -160.654
450.0 MHz	0.870 / -177.813	1.625 / 42.215	0.025 / -42.014	0.756 / -162.621
500.0 MHz	0.877 / -178.950	1.395 / 38.210	0.023 / -45.238	0.781 / -164.595
550.0 MHz	0.883 / -179.946	1.211 / 34.531	0.021 / -48.080	0.803 / -166.550
600.0 MHz	0.888 / -178.867	1.061 / 31.143	0.020 / -50.564	0.822 / -168.468



PD54003E

480 MHz – 520 MHz Large Signal RF



PD54003E

480 MHz – 520 MHz Large Signal RF

