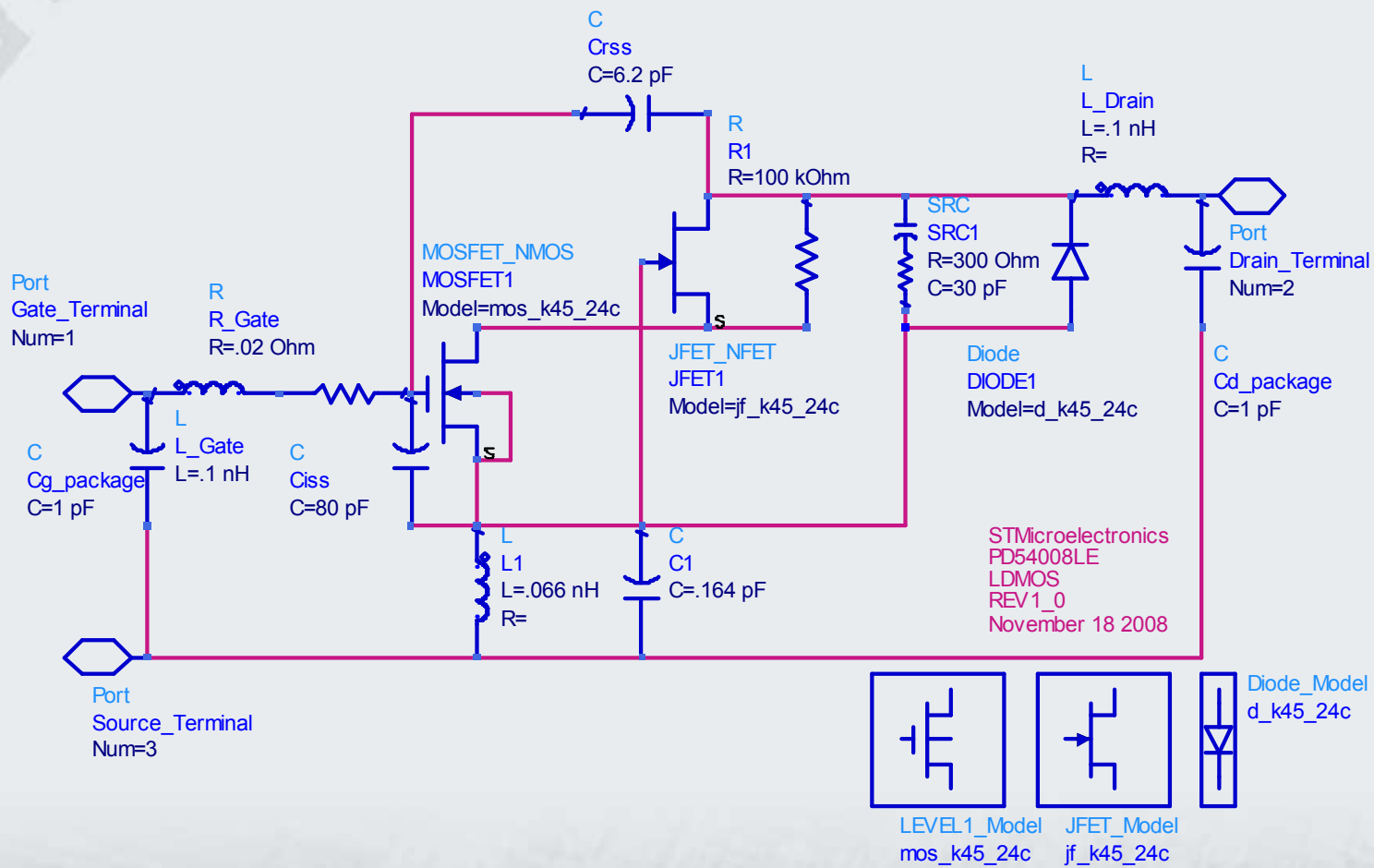


PD54008LE_rev1_0

Model validation

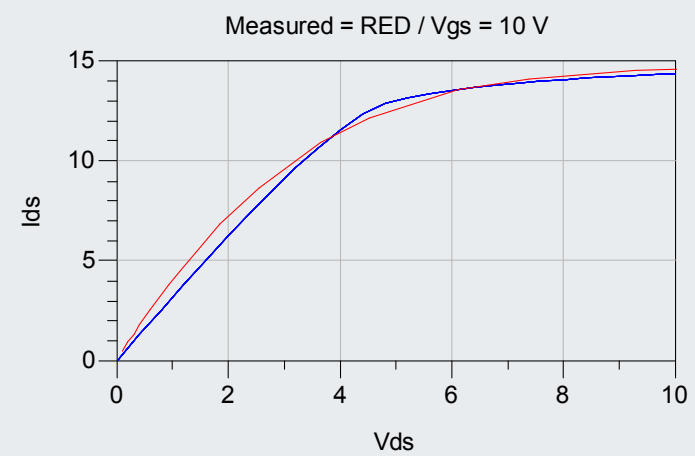
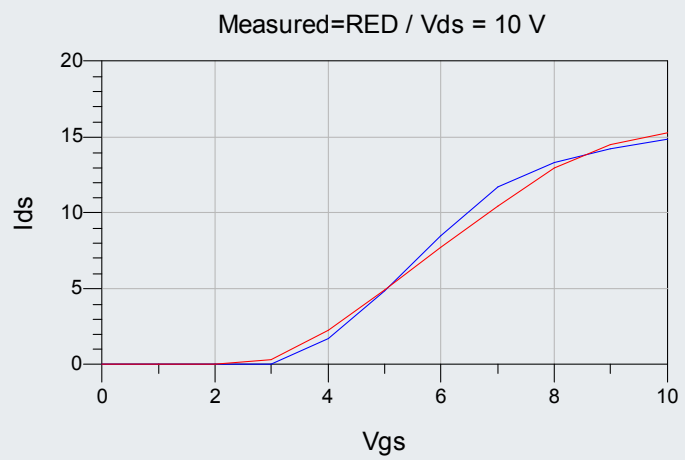


Quakertown , PA
Qtn-jp-301-rev0
November 18 , 2008



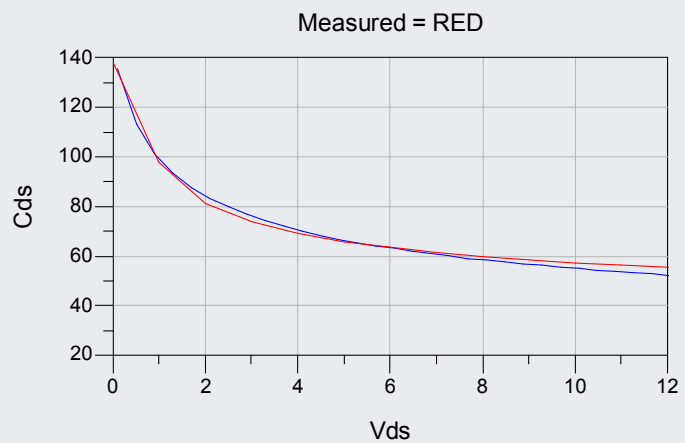
PD54008LE

DC



PD54008LE

C_{ds}



VBias	Coss_pF	
	freq=1.000 MHz	
0.000	145.200	
1.000	99.045	
2.000	84.286	
3.000	76.036	
4.000	70.503	
5.000	66.427	
6.000	63.245	
7.000	60.662	
8.000	58.504	
9.000	56.663	
10.000	55.064	
11.000	53.657	
12.000	52.405	



PD54008LE

S-parameter

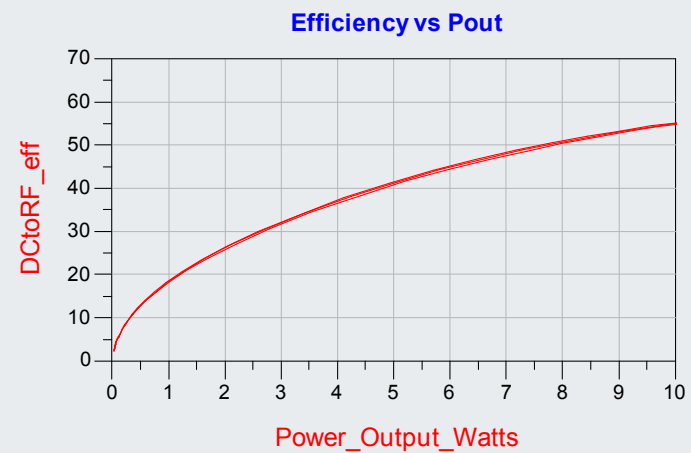
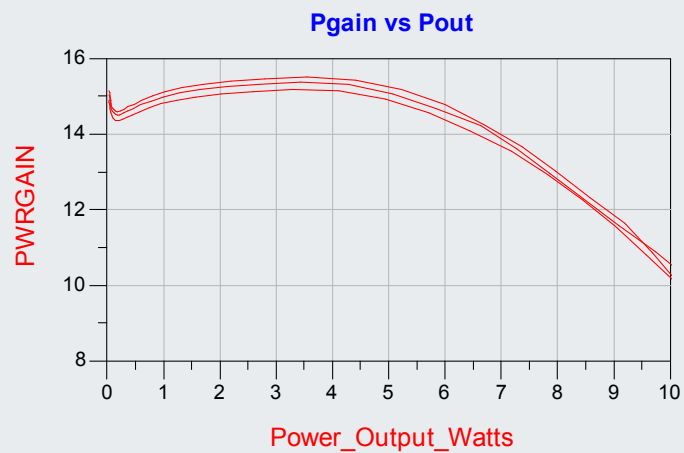
PD54008LE 7.5 V 200 mA

freq	S(1,1)	S(2,1)	S(1,2)	S(2,2)
100.0 MHz	0.890 / -172.851	8.125 / 83.030	0.016 / -2.094	0.781 / -172.058
200.0 MHz	0.900 / -175.239	3.911 / 72.512	0.015 / -7.307	0.799 / -172.946
300.0 MHz	0.912 / -175.858	2.458 / 63.800	0.013 / -9.768	0.823 / -172.724
400.0 MHz	0.924 / -176.243	1.715 / 56.394	0.011 / -9.227	0.848 / -172.708
500.0 MHz	0.936 / -176.638	1.268 / 50.164	0.009 / -4.702	0.871 / -172.984
600.0 MHz	0.946 / -177.073	0.975 / 44.978	0.008 / 5.048	0.891 / -173.463
700.0 MHz	0.954 / -177.533	0.771 / 40.693	0.007 / 20.312	0.907 / -174.051
800.0 MHz	0.961 / -178.002	0.624 / 37.174	0.007 / 38.052	0.920 / -174.685
900.0 MHz	0.966 / -178.468	0.515 / 34.306	0.008 / 53.287	0.931 / -175.327
1.000 GHz	0.971 / -178.923	0.433 / 31.994	0.009 / 63.997	0.940 / -175.956



PD54008LE

480 MHz – 520 MHz Large Signal RF



Data sheet impedances

