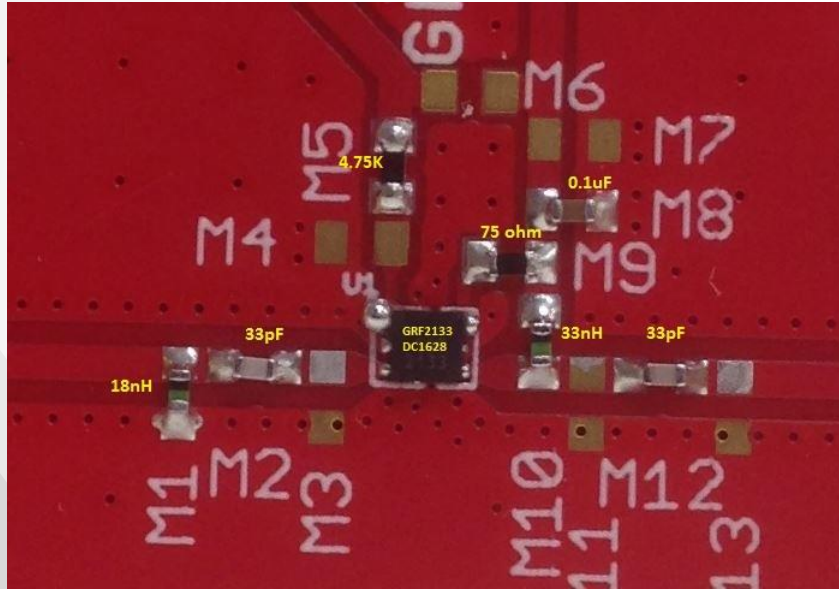


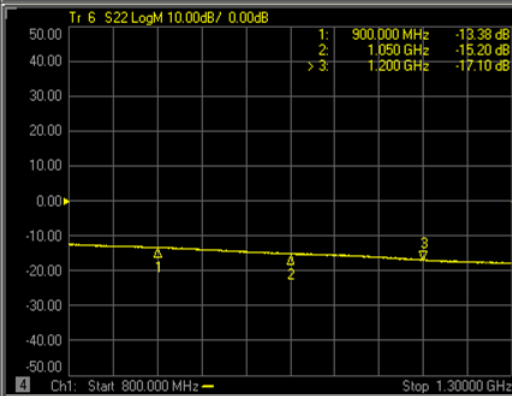
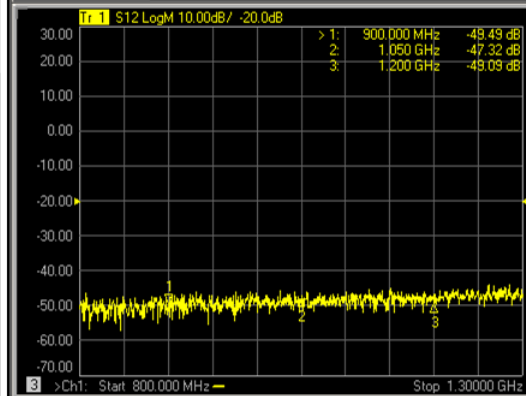
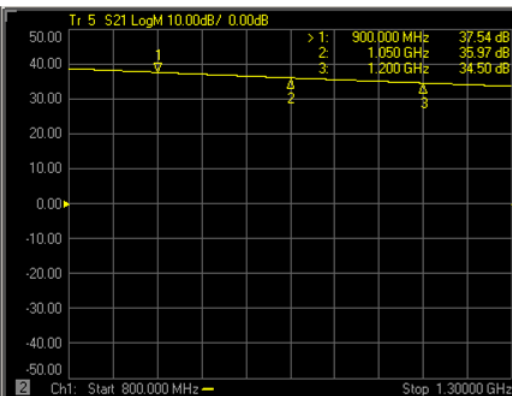
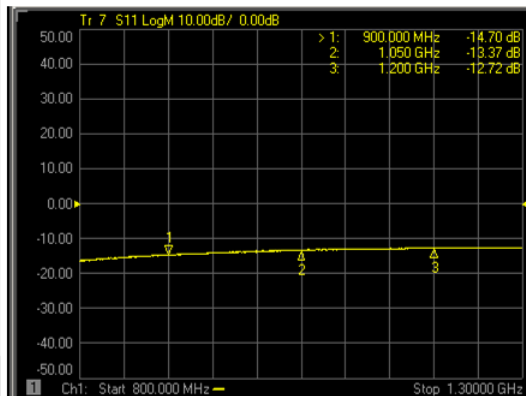


GRF2133 (900 - 1200 MHz)

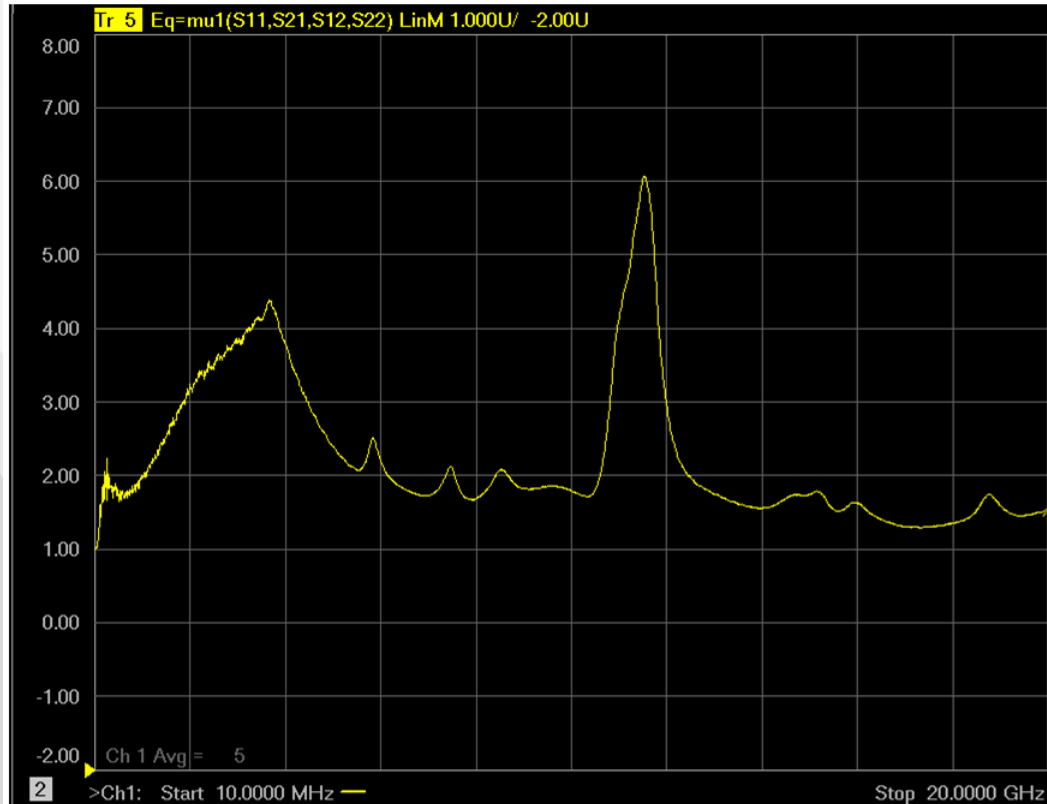
GRF2133 Schematic:



GRF2133 Response:



GRF2133 Stability Mu Factor:



GRF2133 Data:

Bias Point	Freq MHz	Vdd V	Ven V	Iddq mA	Pout/Ptone dBm	gain dB	tone spacing MHz	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	EVB NF dB
5.0V/40mA	900	5.0	2.8	39.0	0.0	36.2	2.0	-9.0	27.2	-17.5	17.8	x
5.0V/40mA	1050	5.0	2.8	39.0	0.0	34.8	2.0	-7.9	26.9	-16.3	17.6	x
5.0V/40mA	1200	5.0	2.8	39.0	0.0	33.4	2.0	-6.3	27.1	-14.6	17.8	x
Bias Point	Freq MHz	Vdd V	Ven V	Iddq mA	Pout/Ptone dBm	gain dB	tone spacing MHz	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	EVB NF dB
5.0V/50mA	900	5.0	3.7	49.0	0.0	37.1	2.0	-8.1	29.0	-16.9	19.2	x
5.0V/50mA	1050	5.0	3.7	49.0	0.0	35.6	2.0	-6.8	28.8	-15.4	19.3	x
5.0V/50mA	1200	5.0	3.7	49.0	0.0	34.1	2.0	-5.0	29.1	-13.7	19.4	x
Bias Point	Freq MHz	Vdd V	Ven V	Iddq mA	Pout/Ptone dBm	gain dB	tone spacing MHz	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	EVB NF dB
5.0V/60mA	900	5.0	5.0	59.0	0.0	37.7	2.0	-7.1	30.6	-16.4	20.4	0.51
5.0V/60mA	1050	5.0	5.0	59.0	0.0	36.2	2.0	-5.7	30.5	-14.7	20.5	0.5
5.0V/60mA	1200	5.0	5.0	59.0	0.0	34.7	2.0	-4.0	30.7	-13.2	20.5	0.5



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