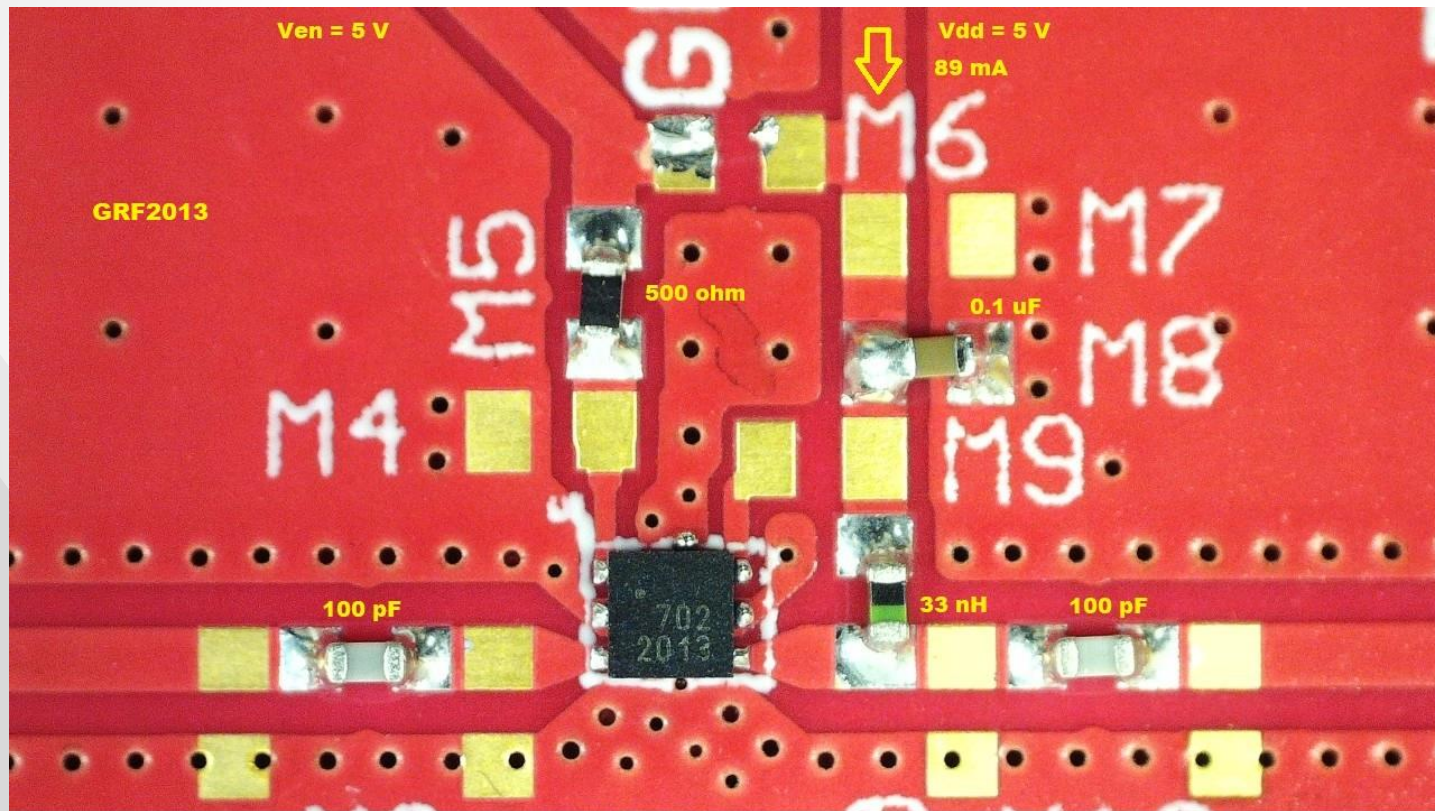


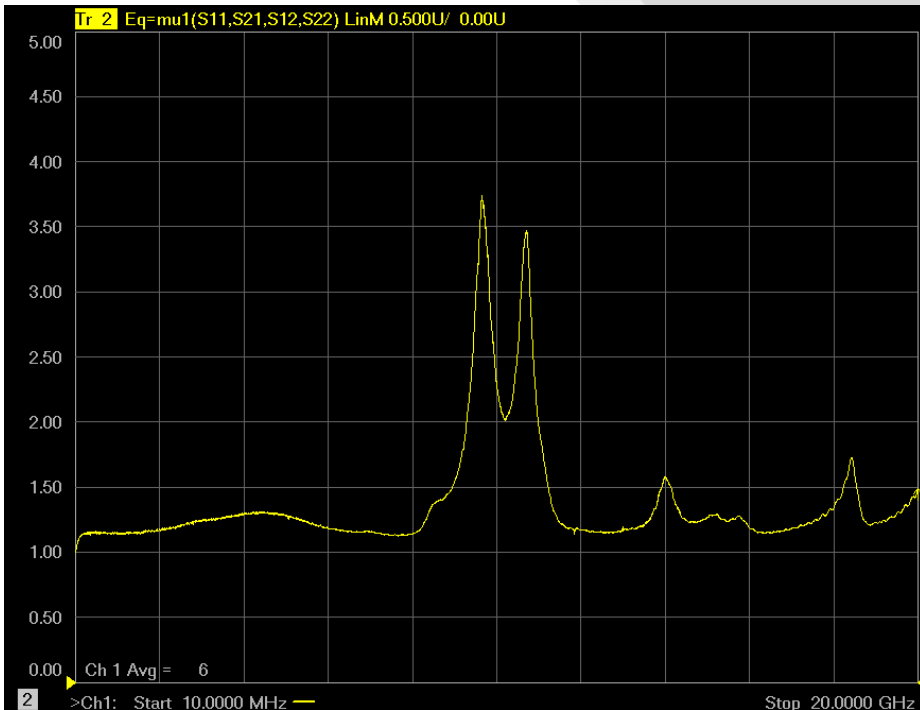
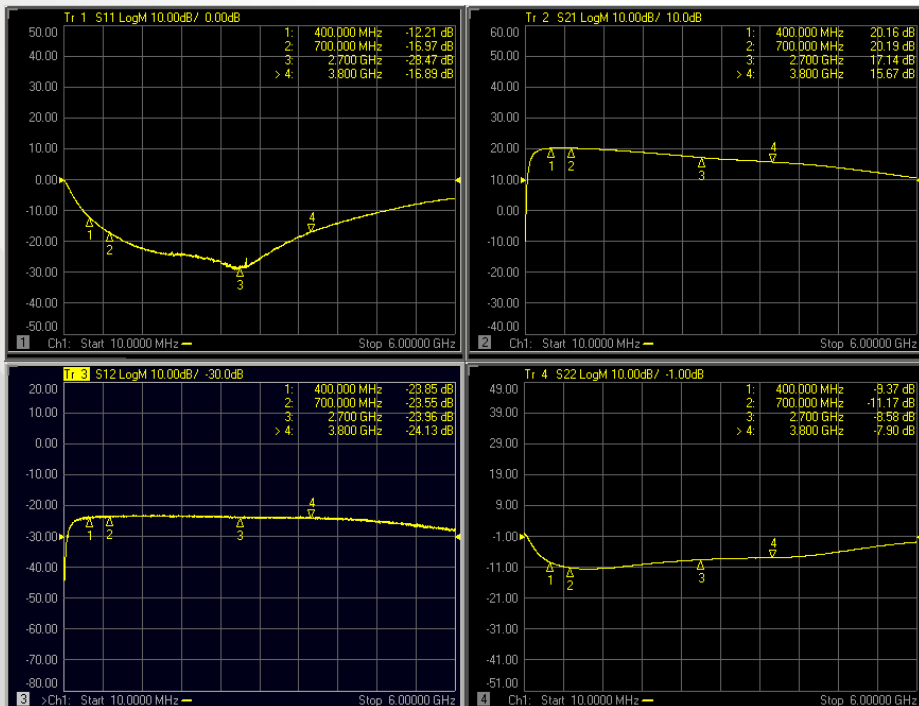


GRF2013/GRF1201 Cascade (400-3800MHz)

GRF2013 Schematic:



GRF2013 S2P and Mu Responses:

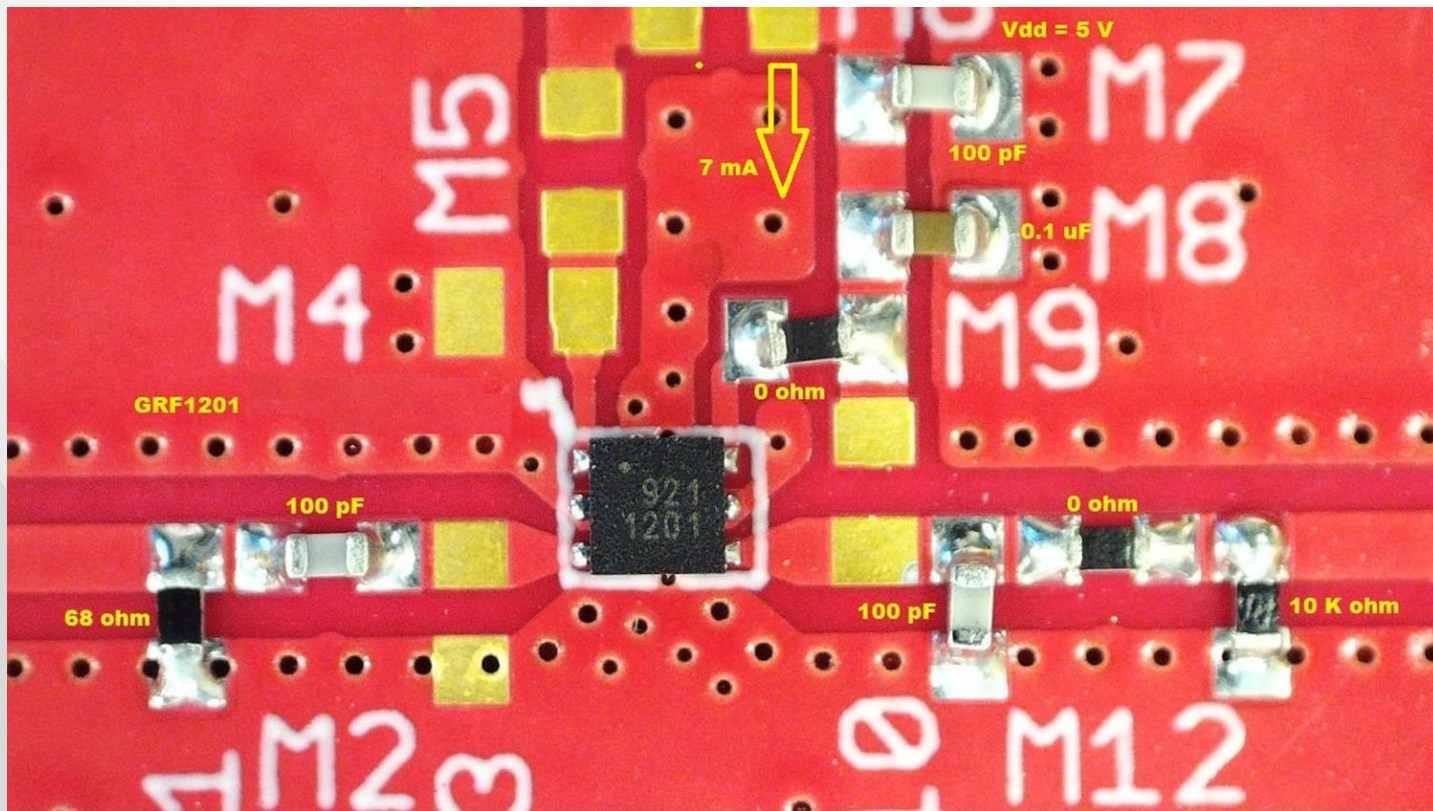


GRF2013 Data:

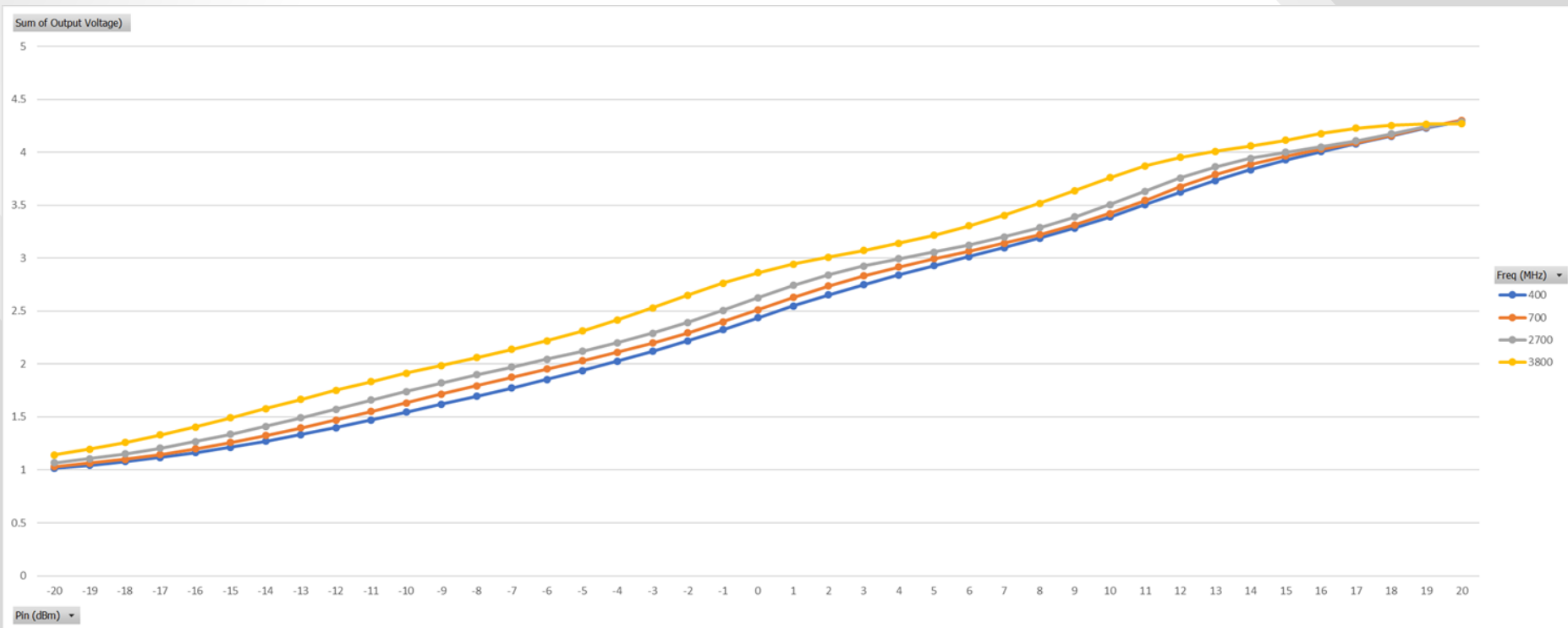
Descriptor	Freq MHz	Vdd	Iddq mA	Ven	Ien mA	Pout/Ptone dBm	Gain dB	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	NF
GRF2013	400	5.0	89.9	5.0	5.6	2.0	20.6	19.4	40.0	4.0	23.3	1.3
GRF2013	700	5.0	89.9	5.0	5.6	2.0	20.7	20.7	41.4	4.0	23.6	1.2
GRF2013	2700	5.0	89.9	5.0	5.6	2.0	17.5	20.4	37.9	7.0	23.3	1.3
GRF2013	3800	5.0	89.9	5.0	5.6	2.0	15.8	21.2	37.0	8.0	22.9	1.6

#1

GRF1201 Schematic:



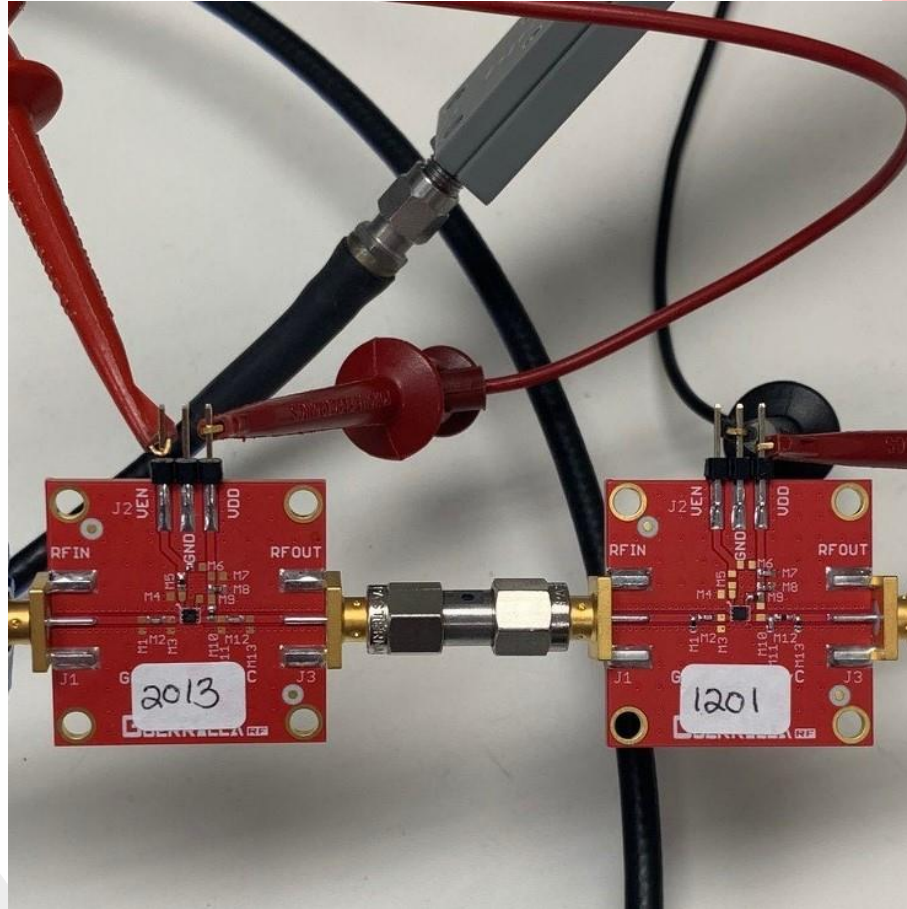
GRF1201 Response:



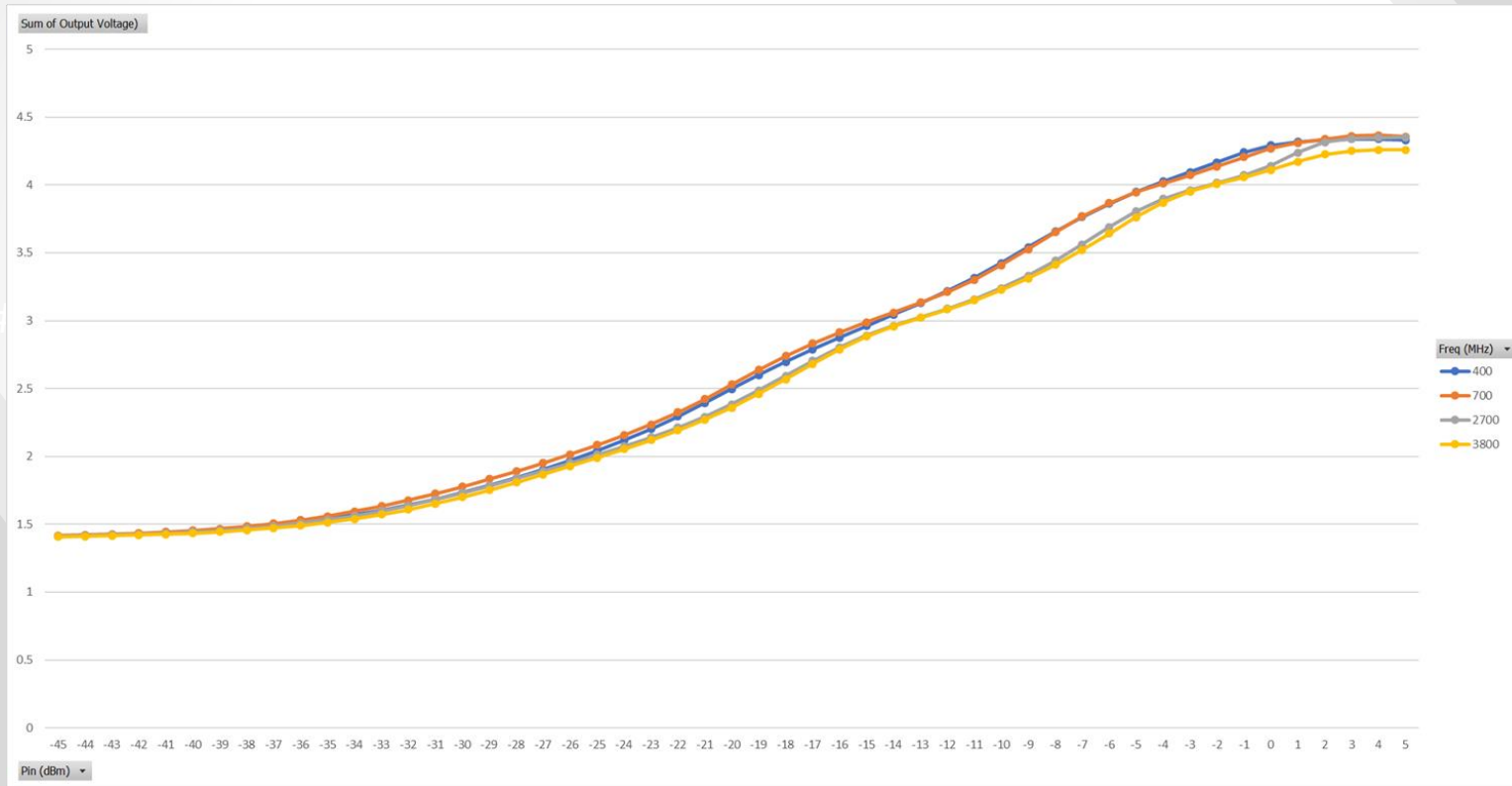
Cascade:

#1

#1



GRF2013/1201 Cascade Response:





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