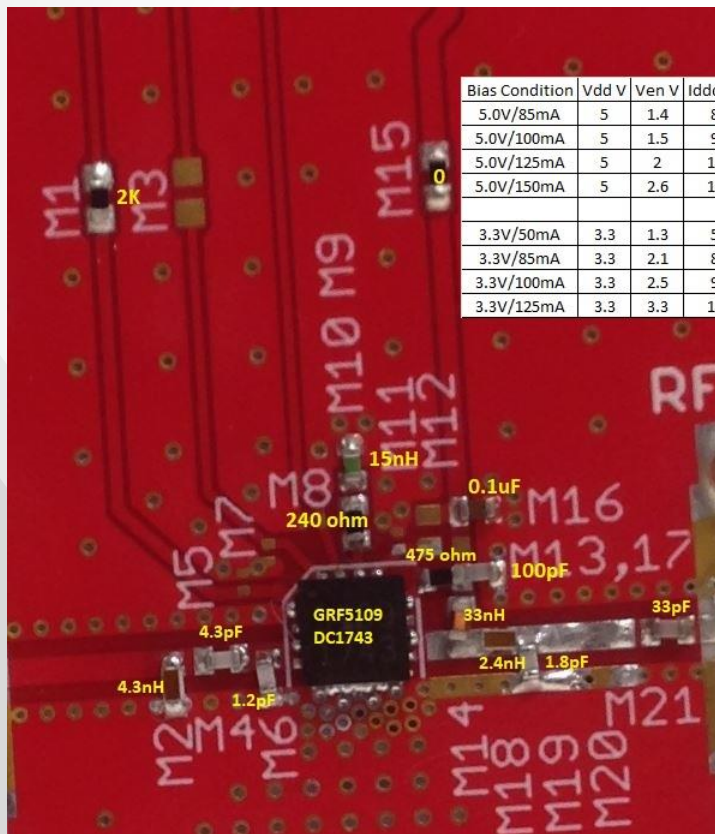




GRF5109 (1000 - 1600 MHz)  $V_{dd} = 5.0V$

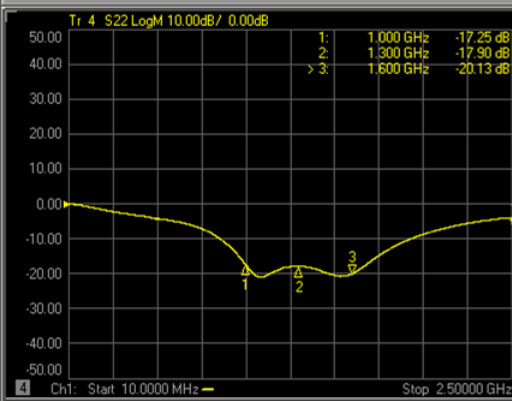
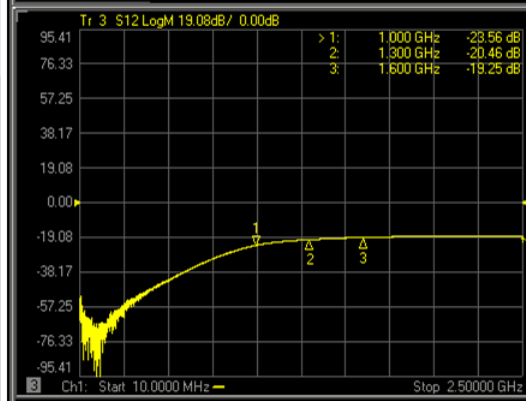
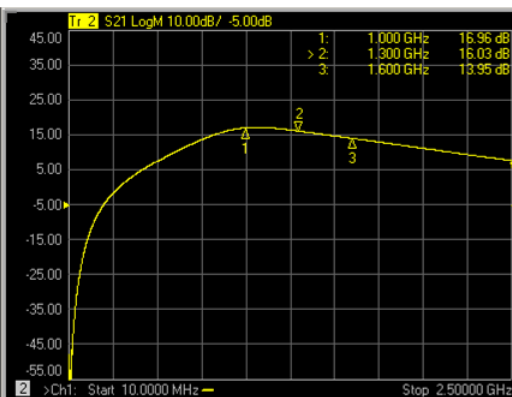
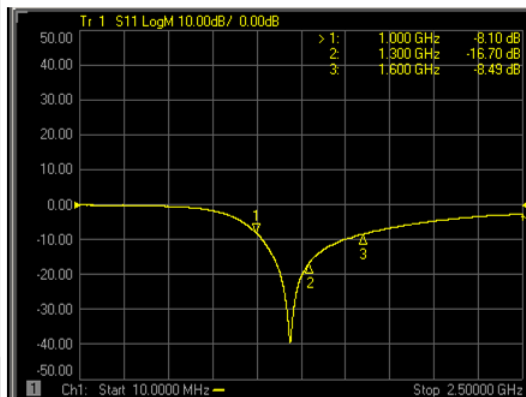
# GRF5109 Schematic:



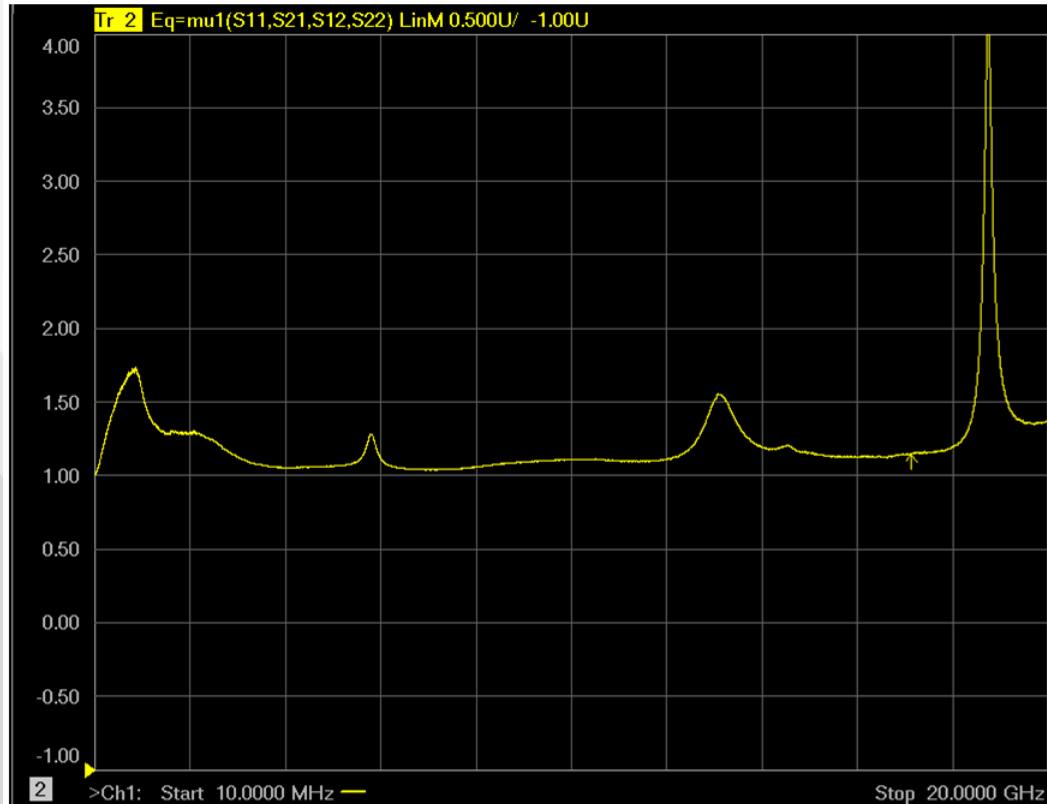
Bias Condition	Vdd V	Ven V	Iddq mA	Ien mA
5.0V/85mA	5	1.4	87	1.2
5.0V/100mA	5	1.5	98	1.2
5.0V/125mA	5	2	123	1.4
5.0V/150mA	5	2.6	147	1.6
3.3V/50mA	3.3	1.3	50	1.2
3.3V/85mA	3.3	2.1	83	1.3
3.3V/100mA	3.3	2.5	98	1.6
3.3V/125mA	3.3	3.3	122	2

This presentation contains Vdd = 5.0 V data.

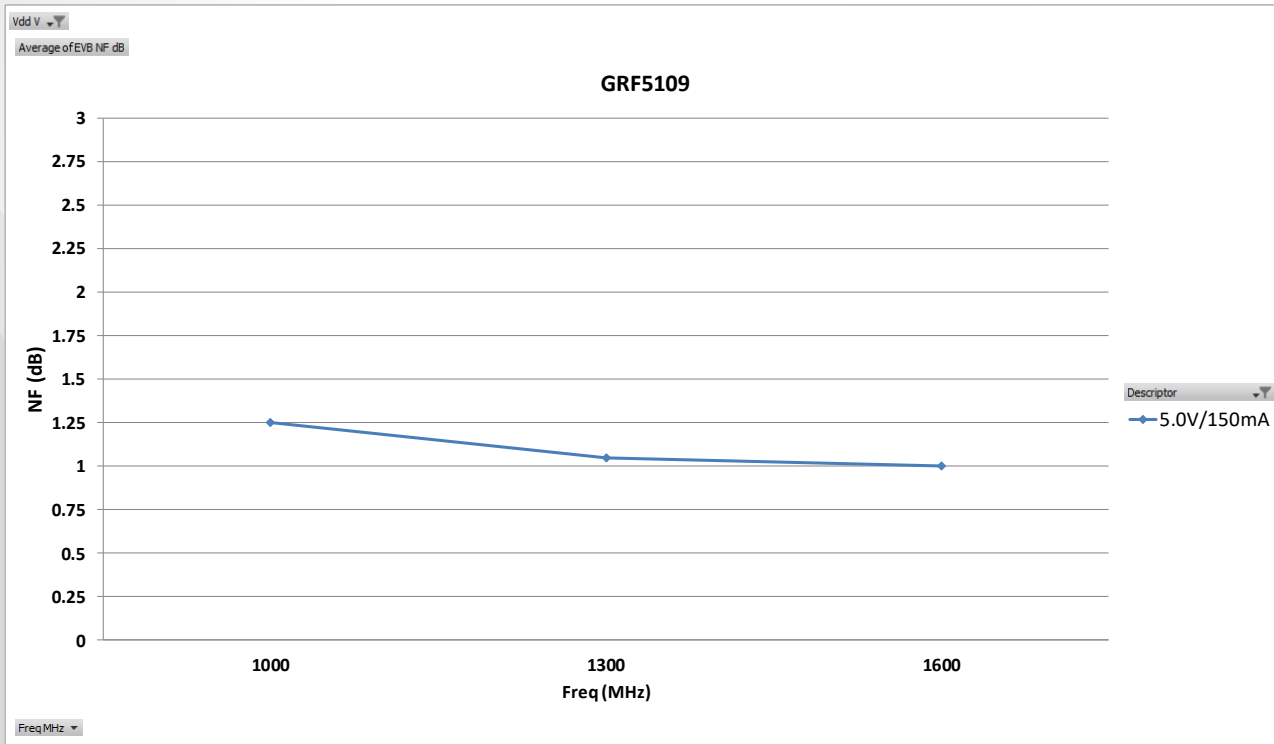
# GRF5109 Response:



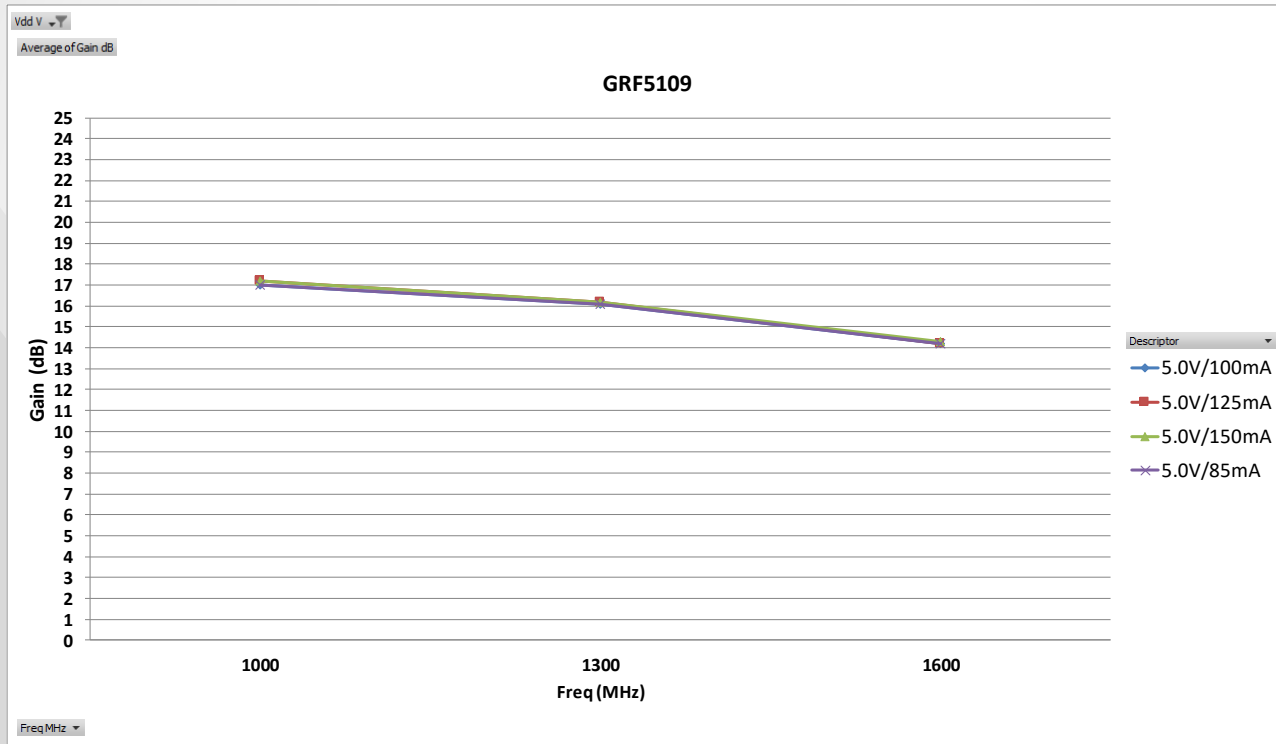
# GRF5109 Stability Mu Factor:



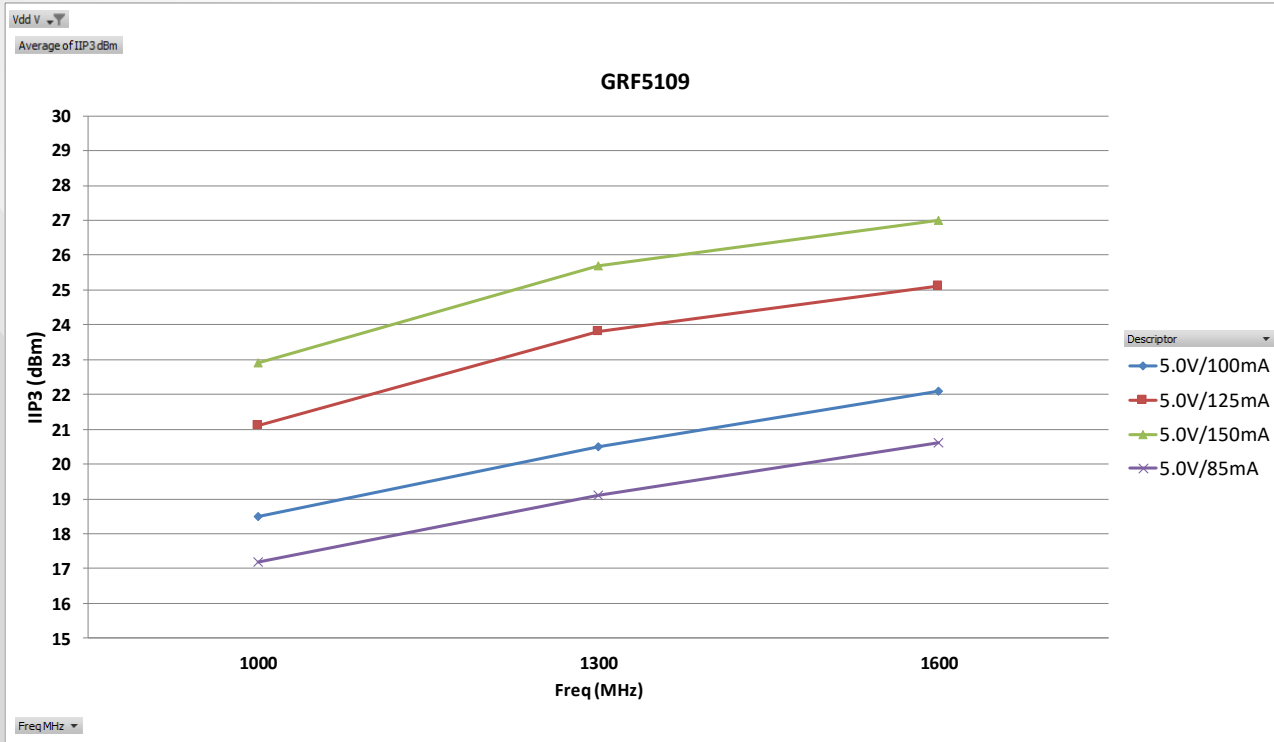
# GRF5109 Noise Figure:



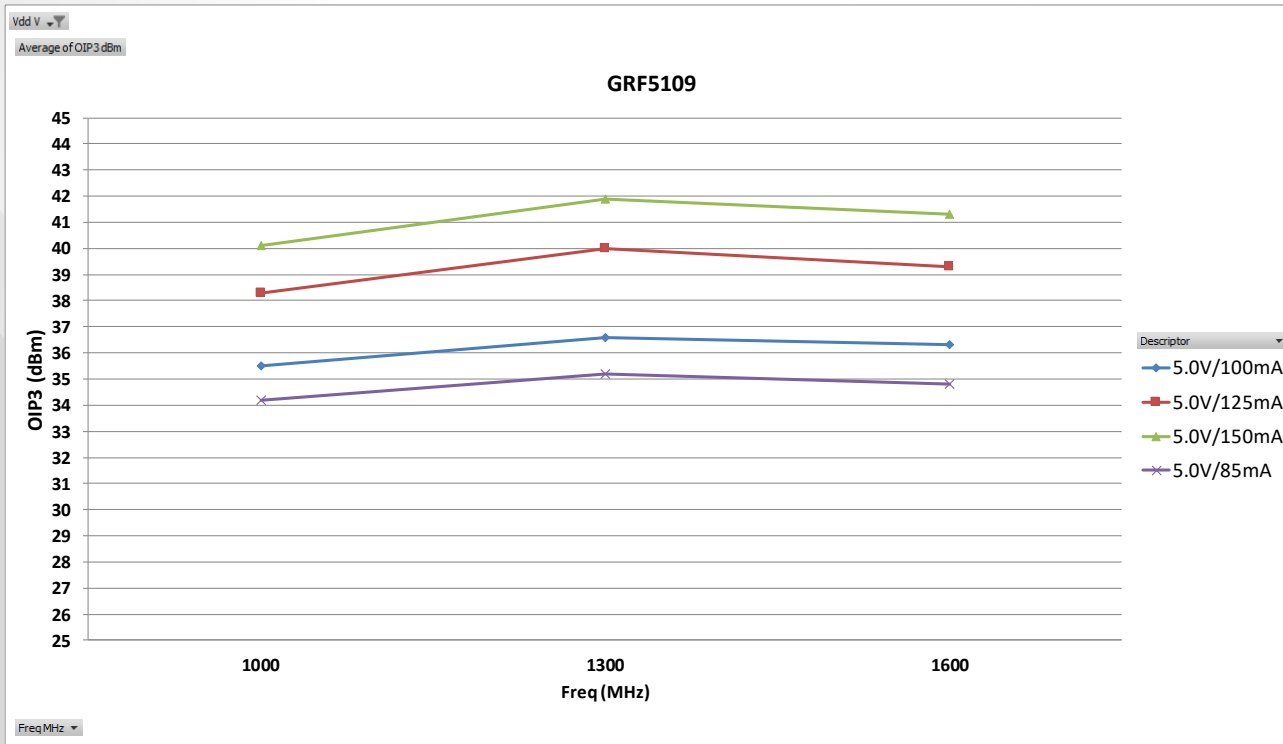
# GRF5109 Gain:



# GRF5109 IIP3:

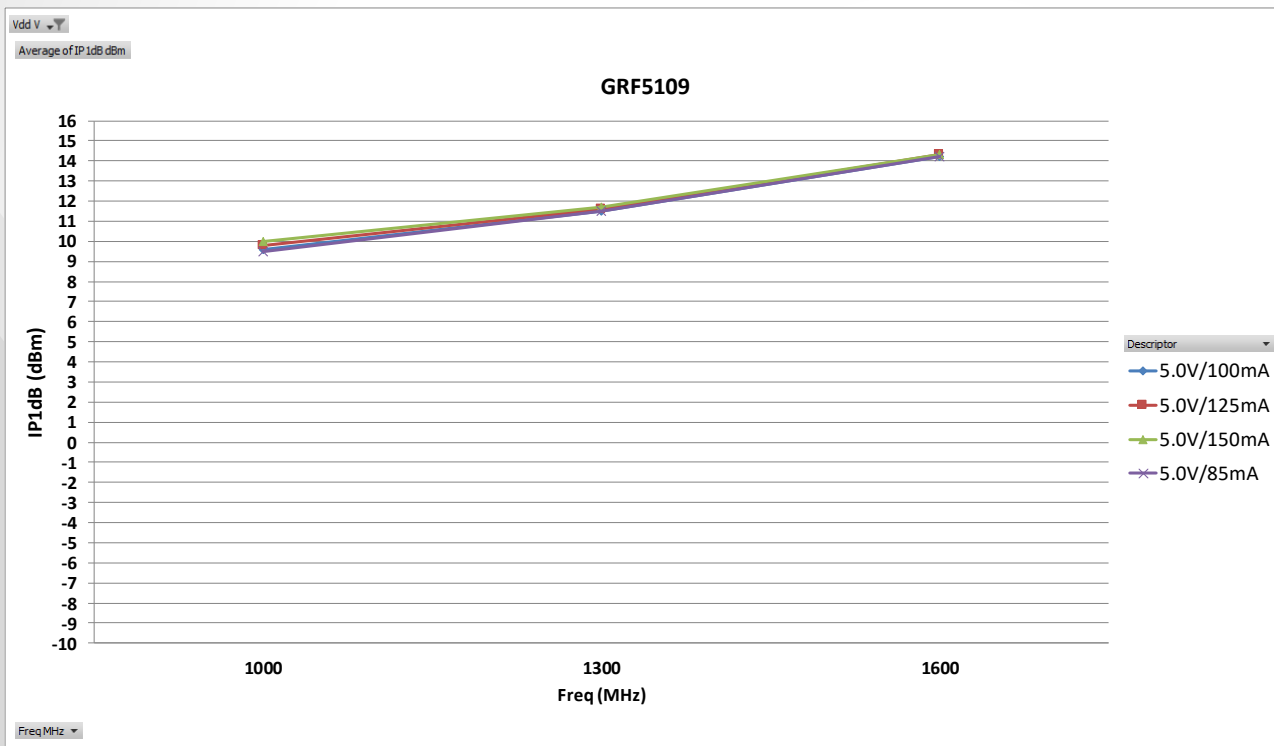


# GRF5109 OIP3:

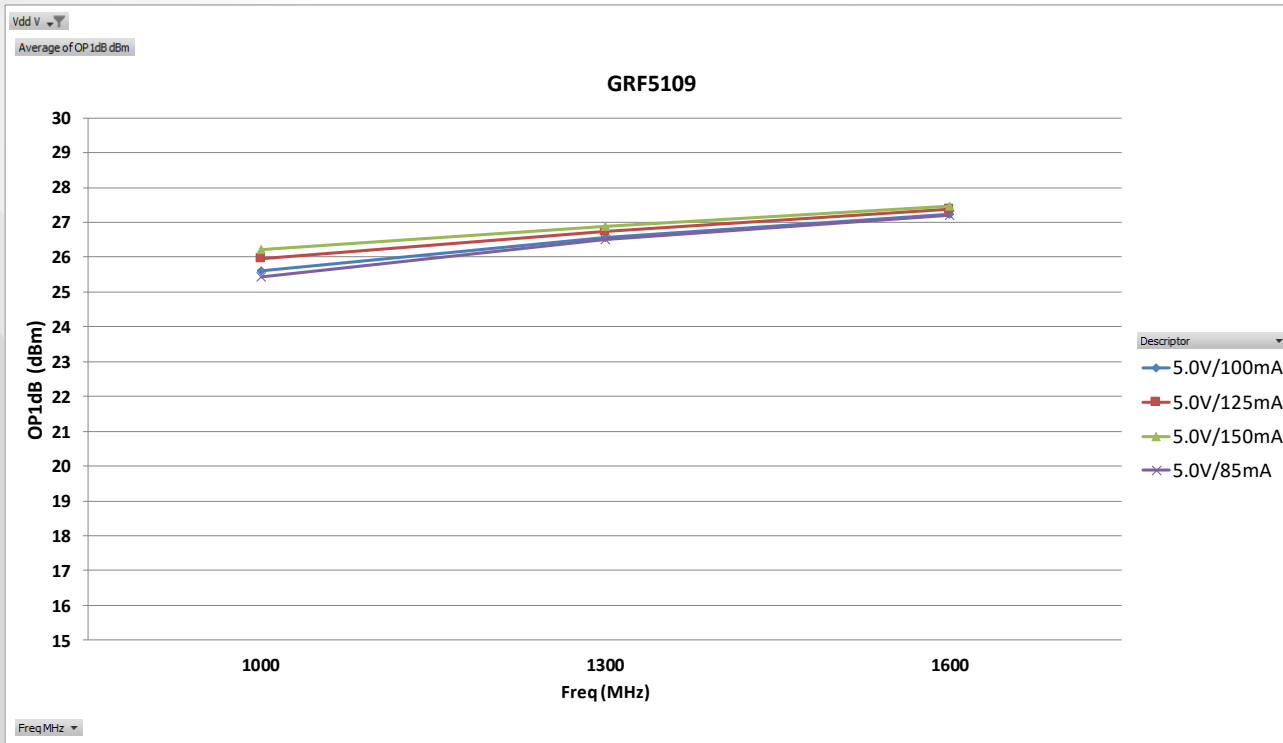




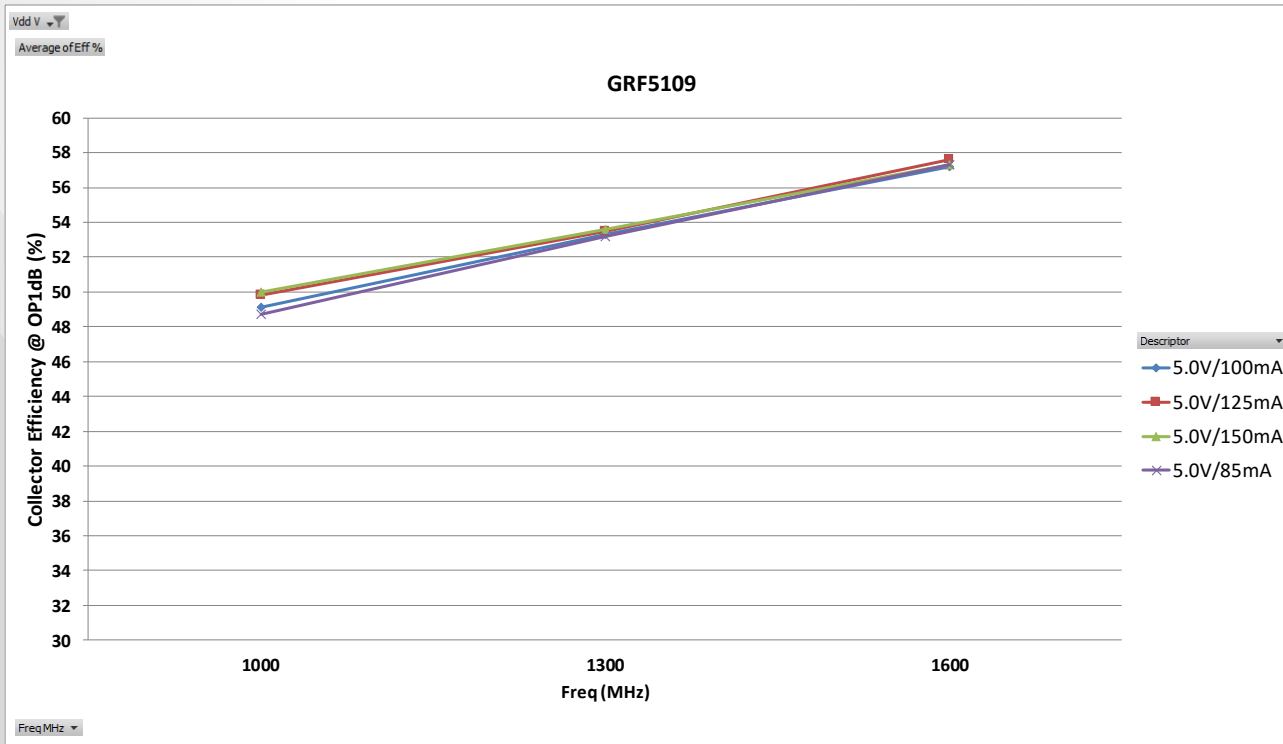
# GRF5109 IP1dB:



# GRF5109 OP1dB:



# GRF5109 Drain Efficiency @ OP1dB:





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