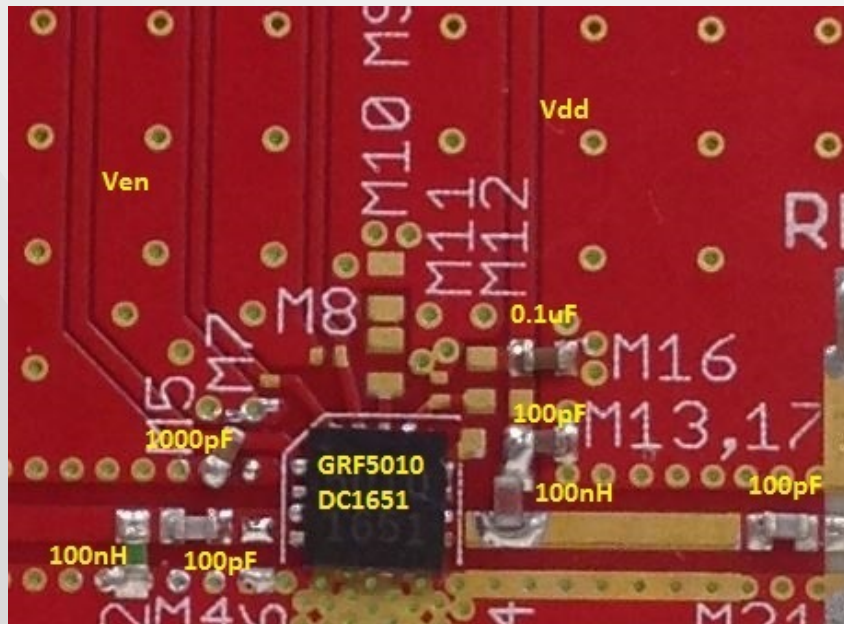




GRF5010 (100 - 400 MHz)

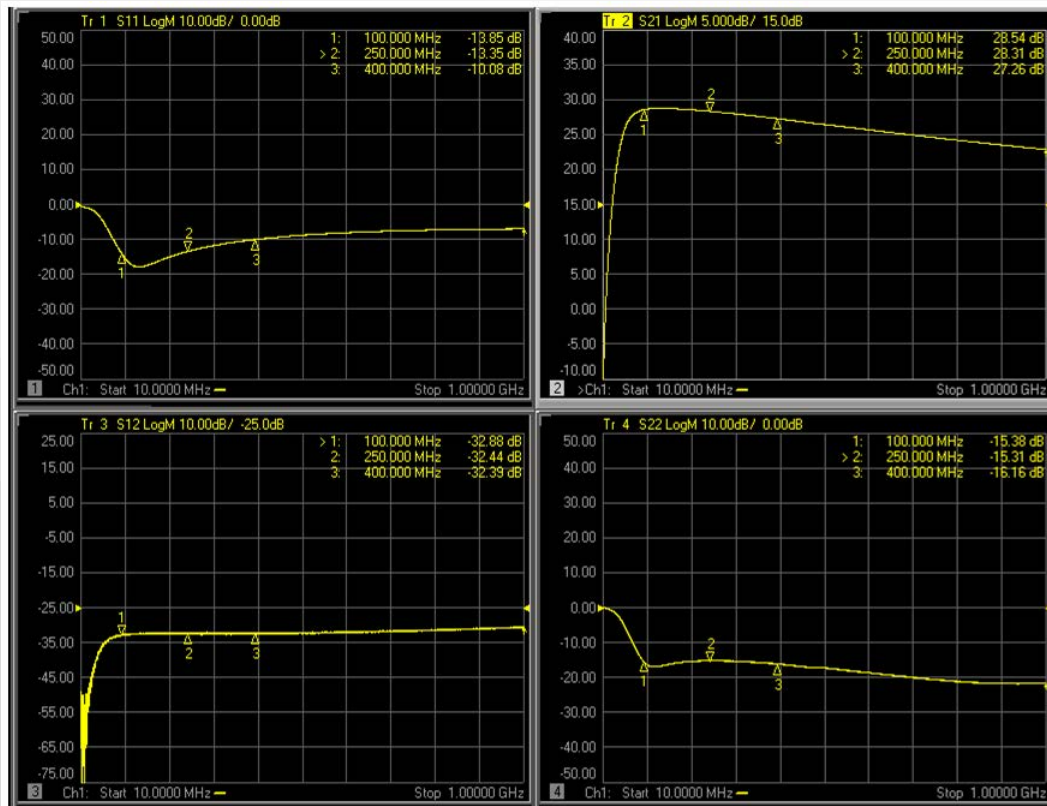
GRF5010 Schematic:



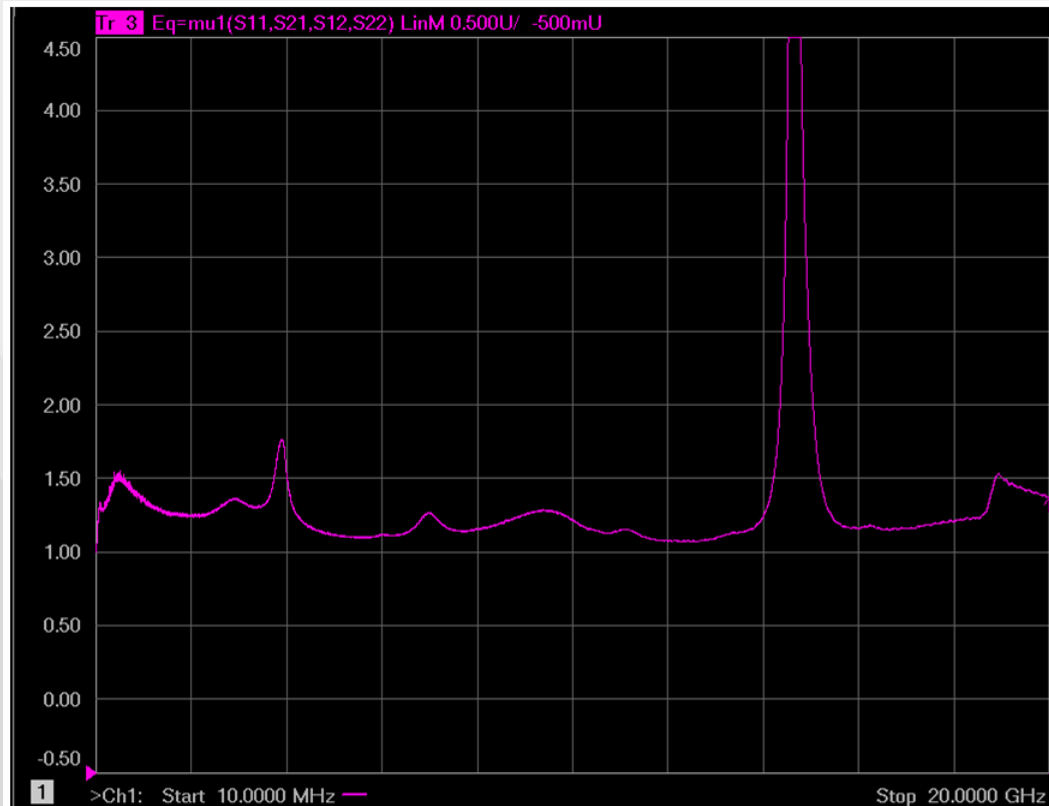
Data to follow:

- s2p response and stability
- Noise figure, gain IP3, P1dB, Efficiency
- Saturation Curves
- Curves for selecting bias R @ Venable

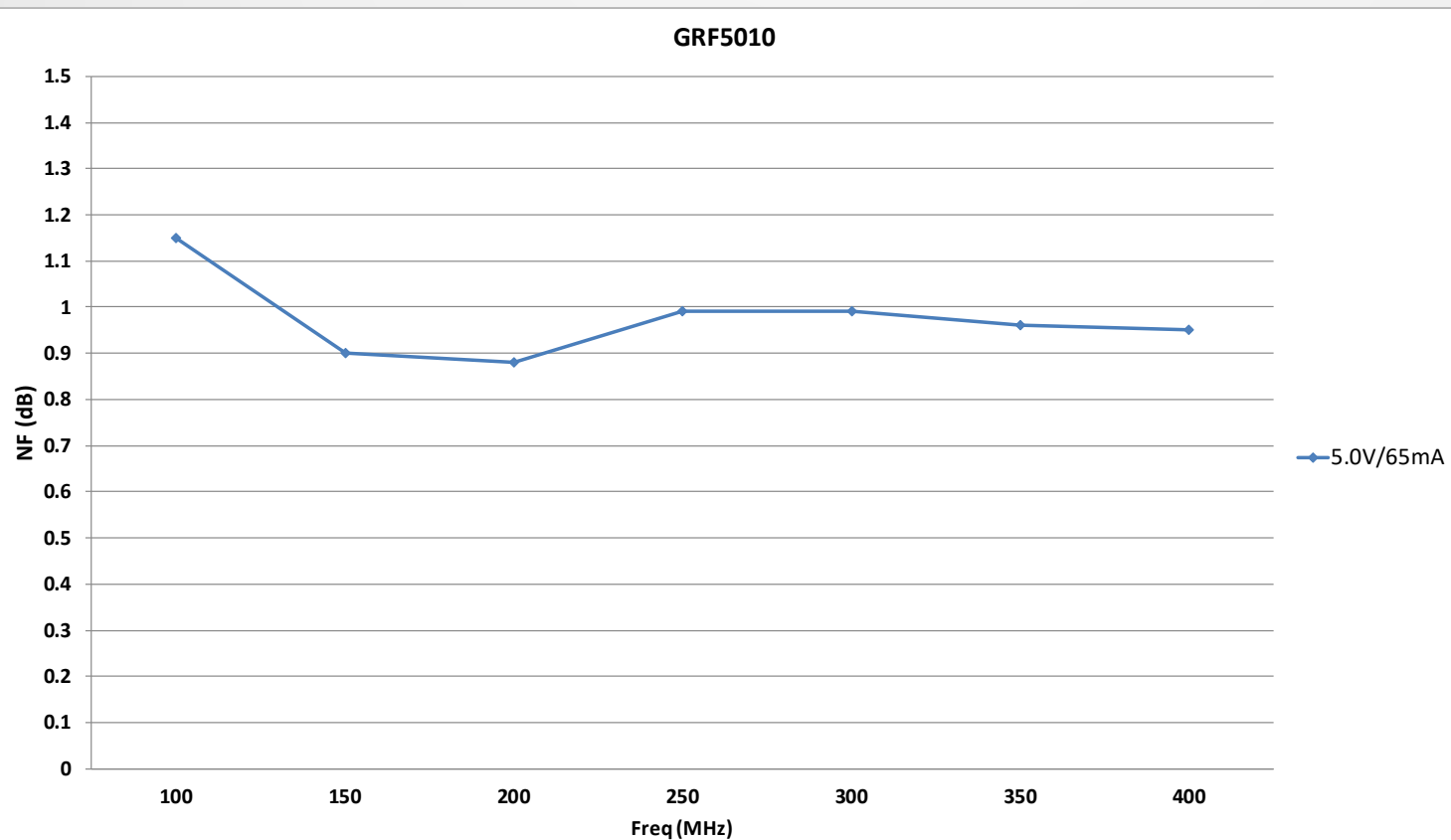
GRF5010 Response:



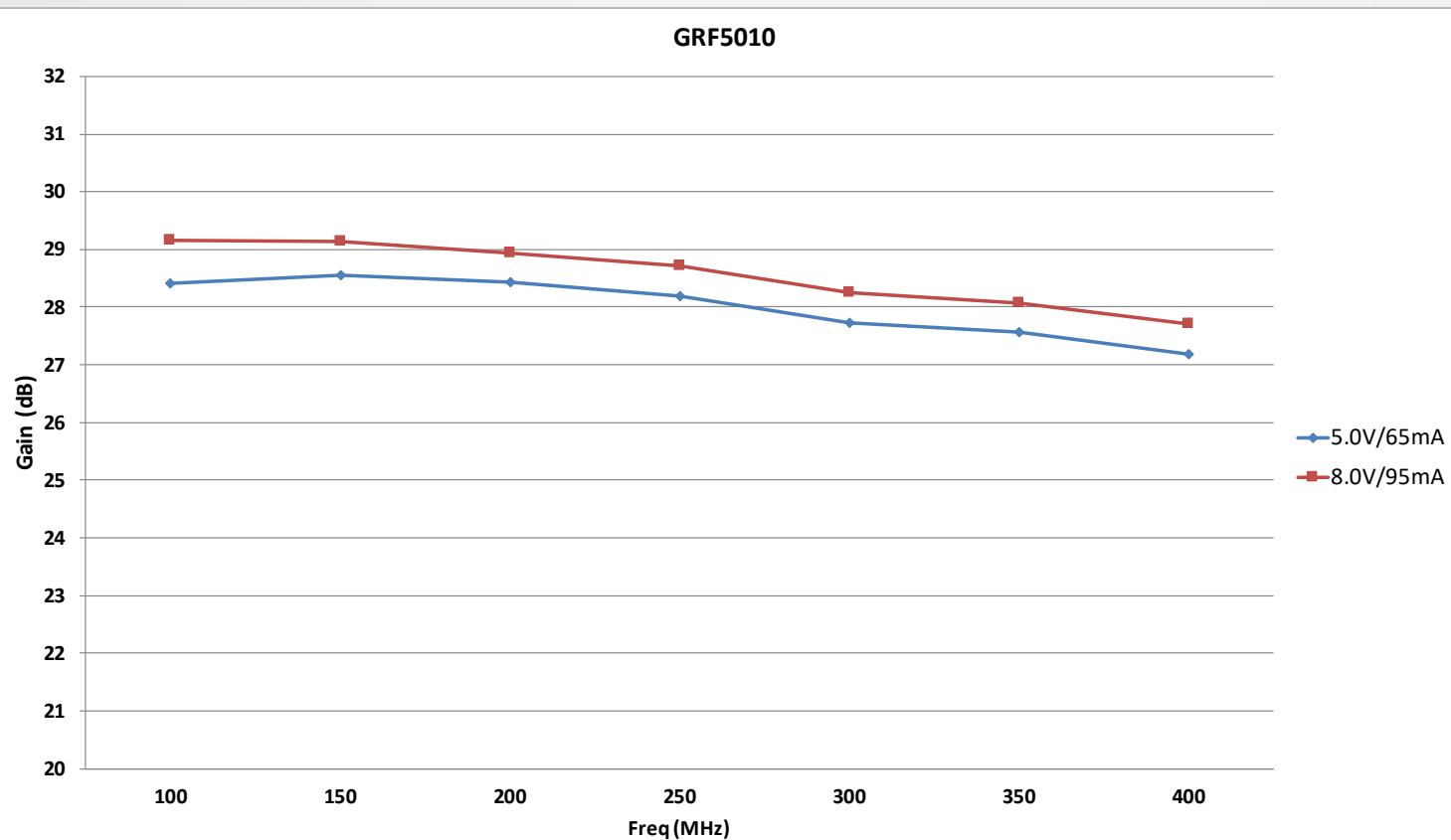
GRF5010 Stability Mu Factor:



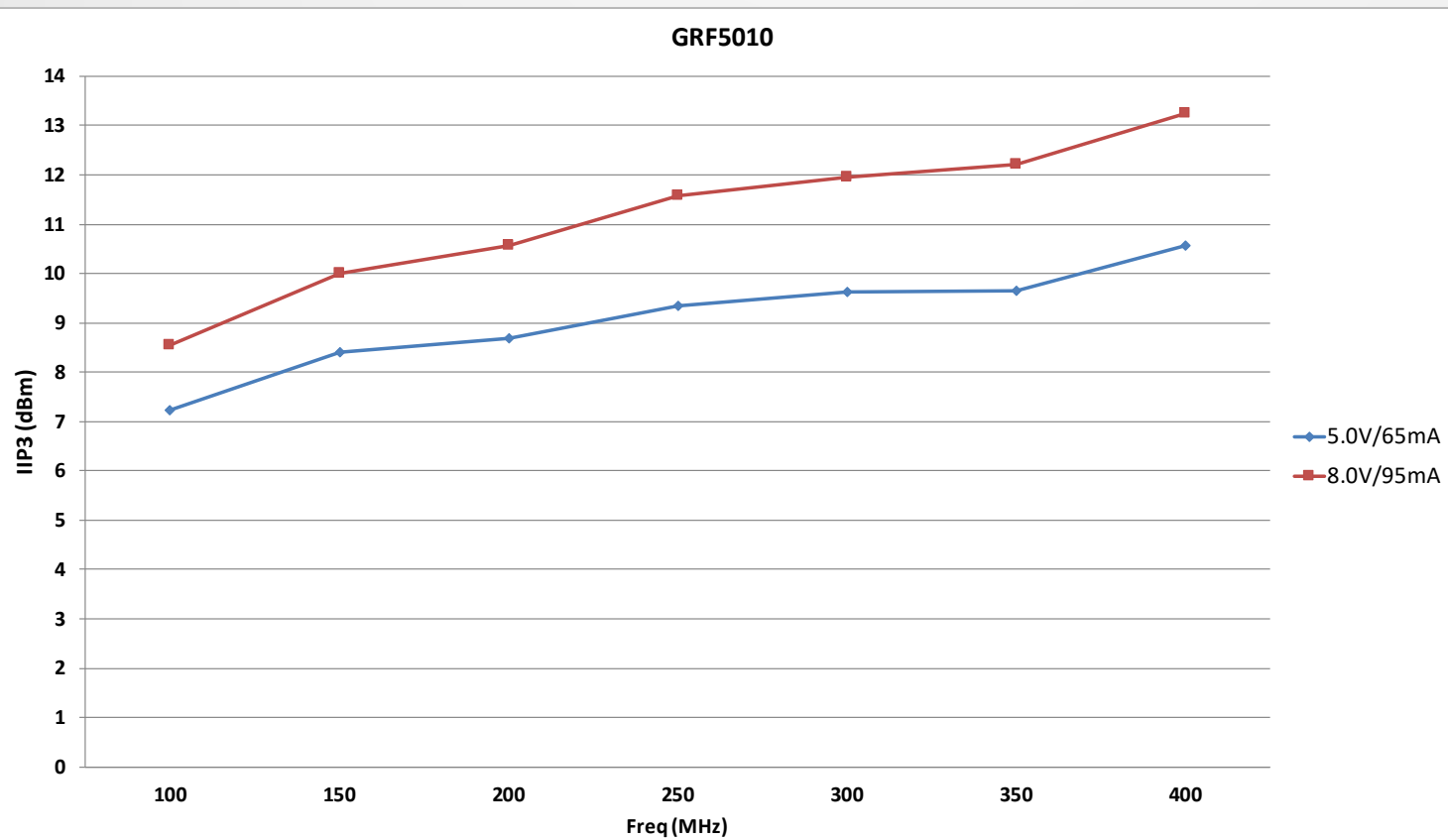
GRF5010 Noise Figure:



GRF5010 Gain:



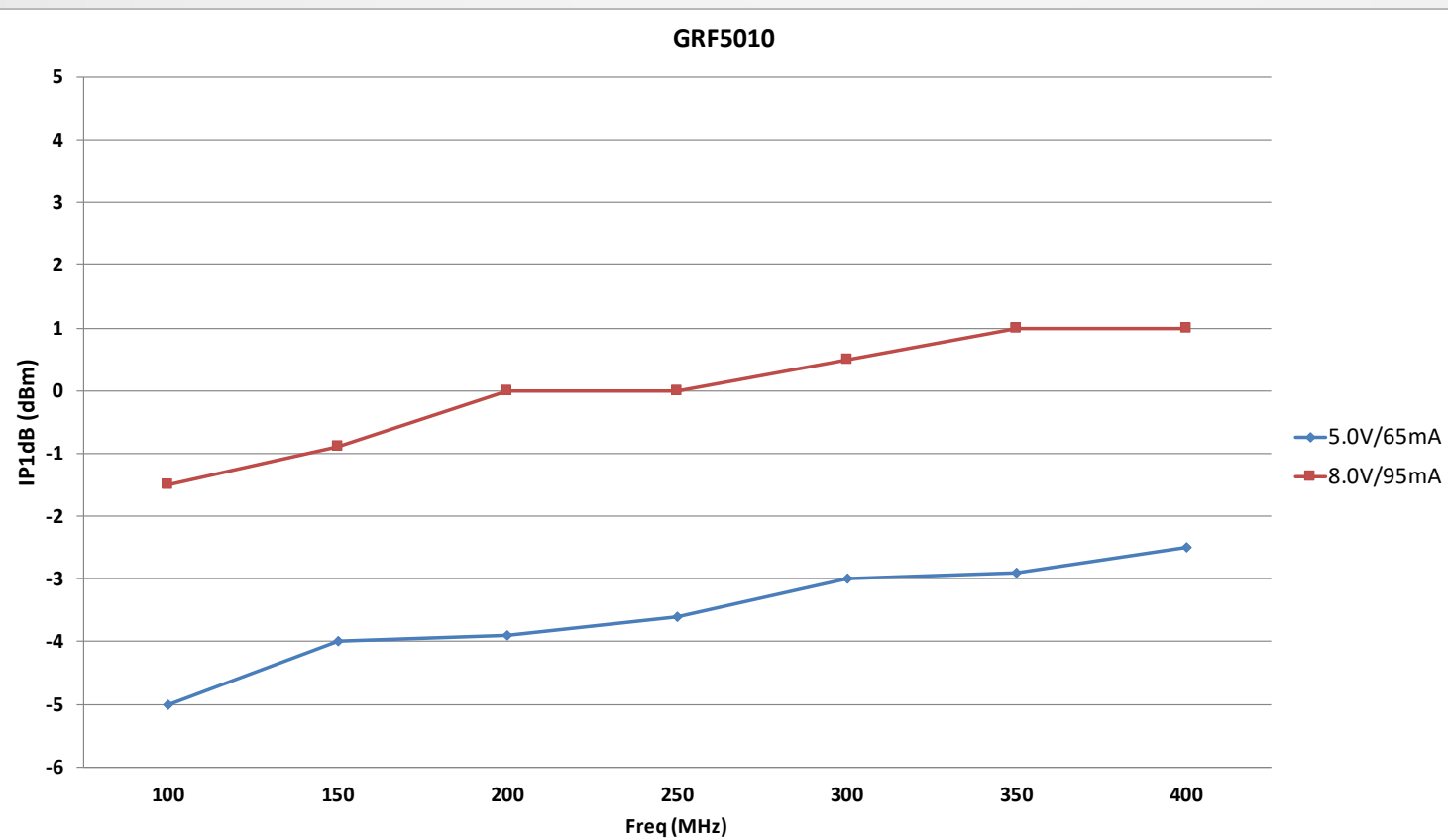
GRF5010 IIP3:



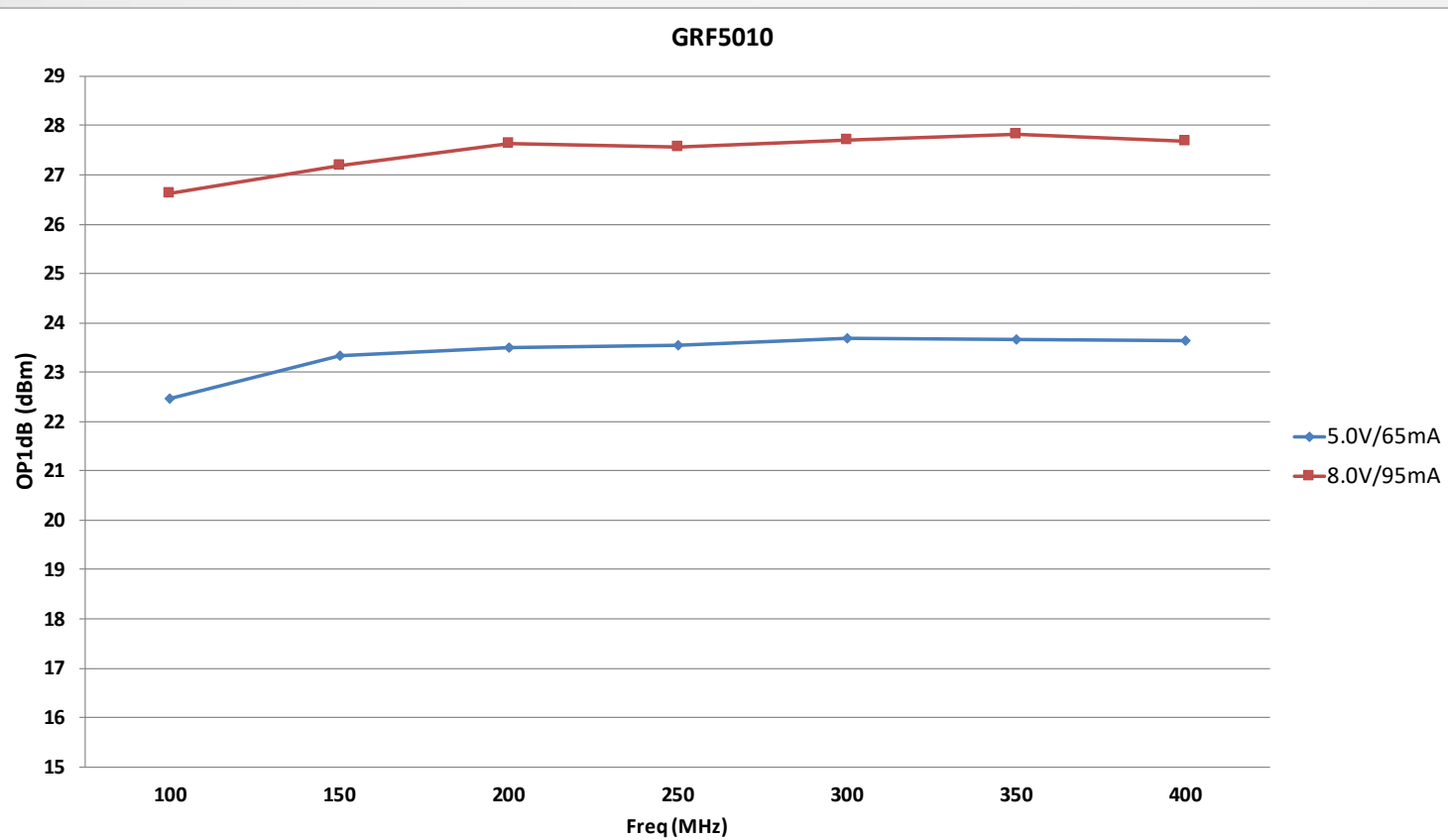
GRF5010 OIP3:



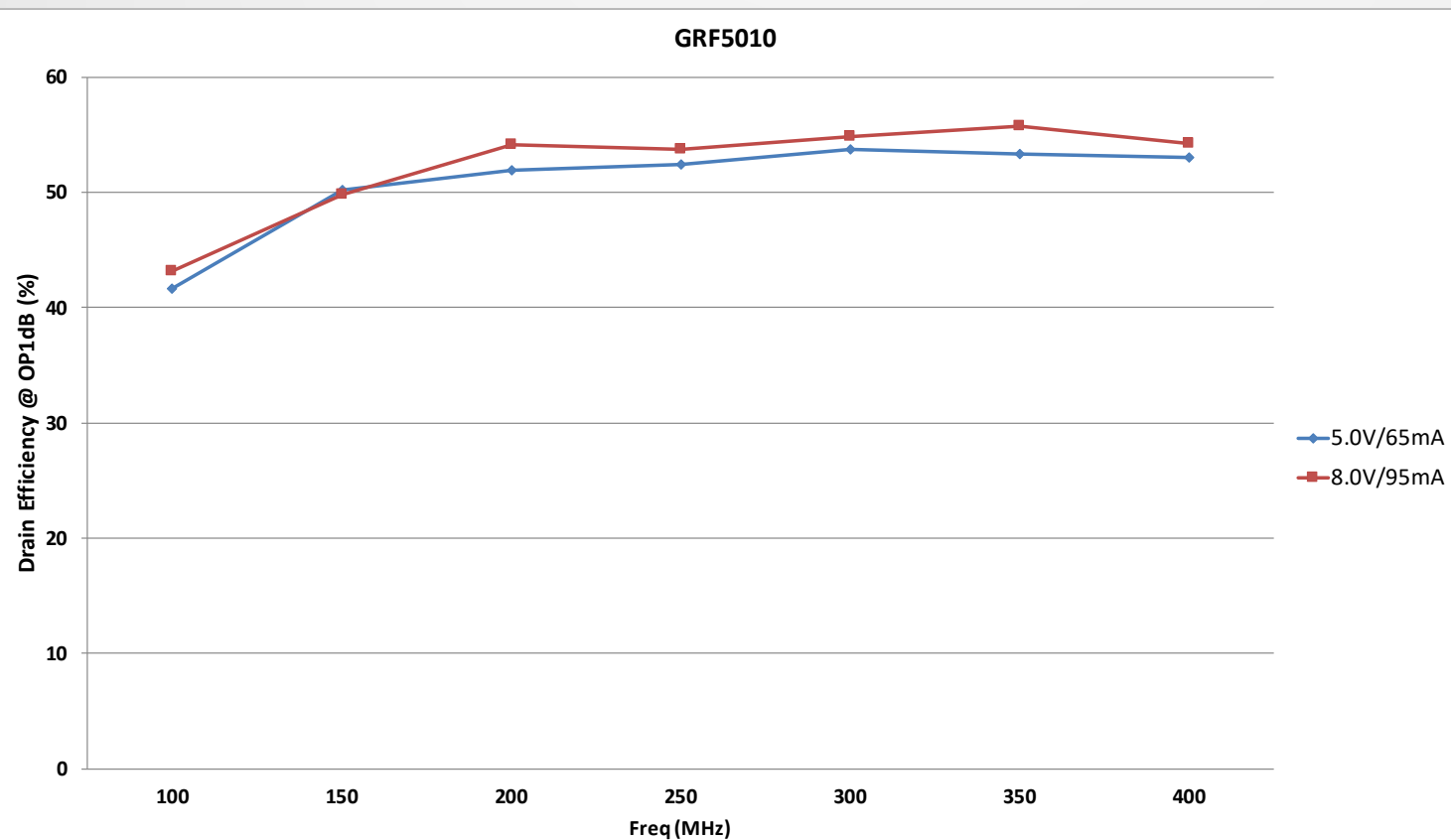
GRF5010 IP1dB:



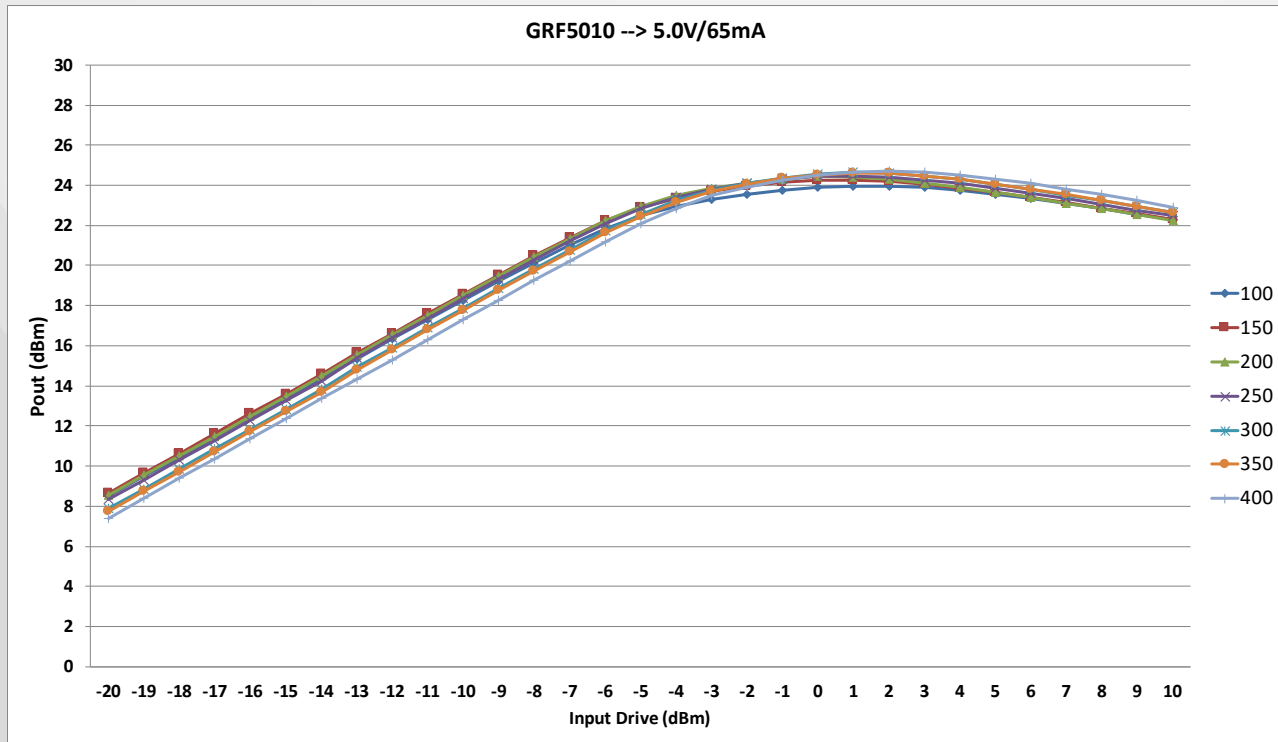
GRF5010 OP1dB:



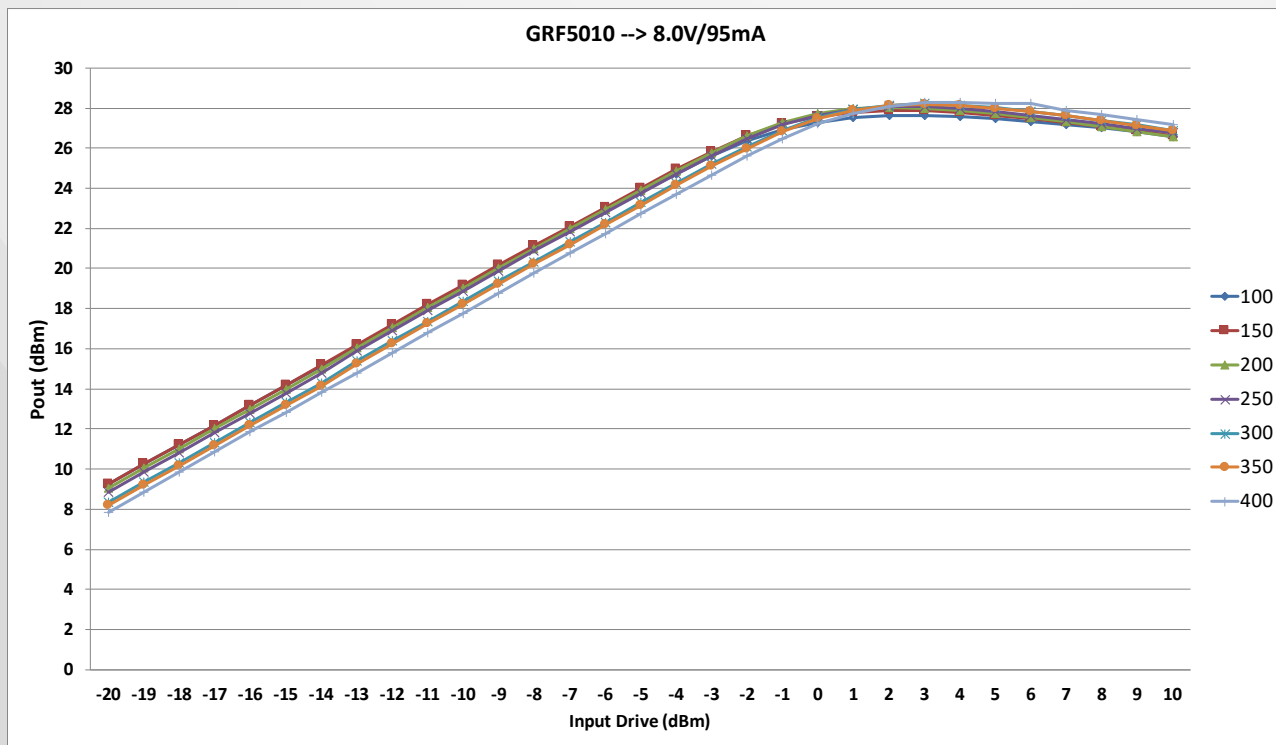
GRF5010 Drain Efficiency @ OP1dB:



GRF5010 Vdd = 5.0V, Pout vs. Input Drive:

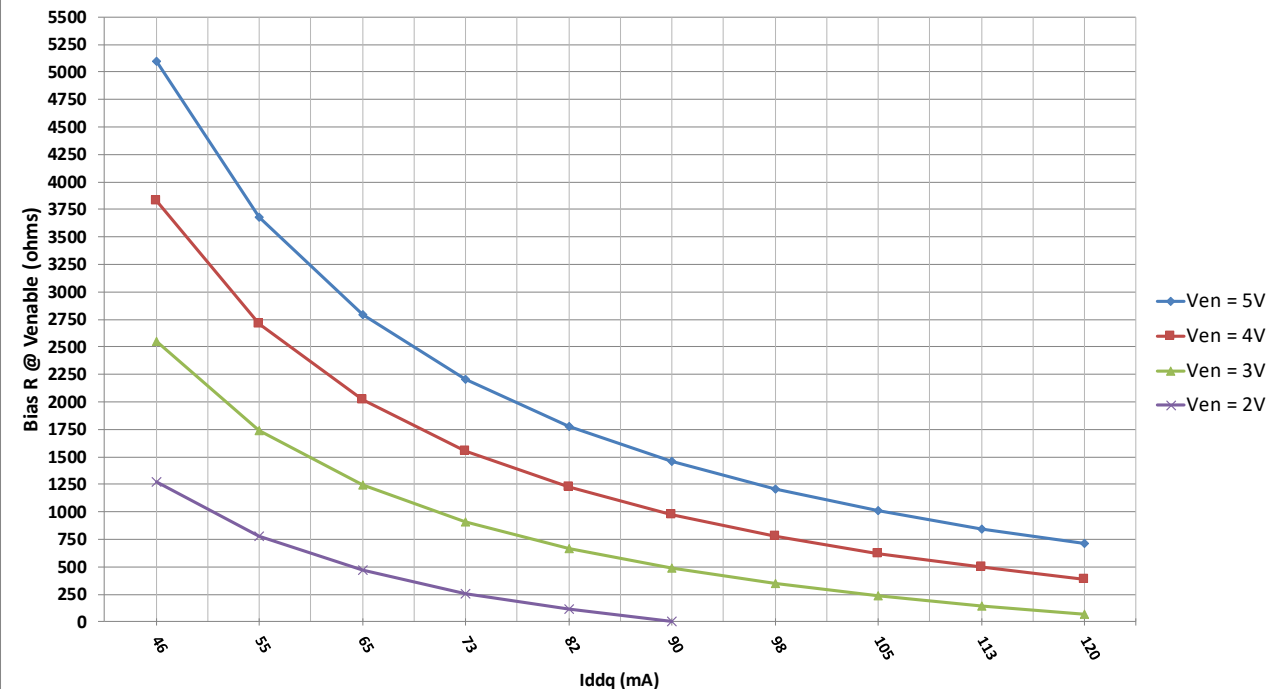


GRF5010 Vdd = 8.0V, Pout vs. Input Drive:



GRF5010 Vdd = 5.0V, Bias R Curves:

GRF5010 w/Vdd = 5.0V: Required Bias R @ Venable vs. Iddq



For example, to set Iddq = 65mA using Venable = 5.0V:

Result from curve = 2750 ohm

See data sheet for curves corresponding to Vdd > 5.0V.



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