

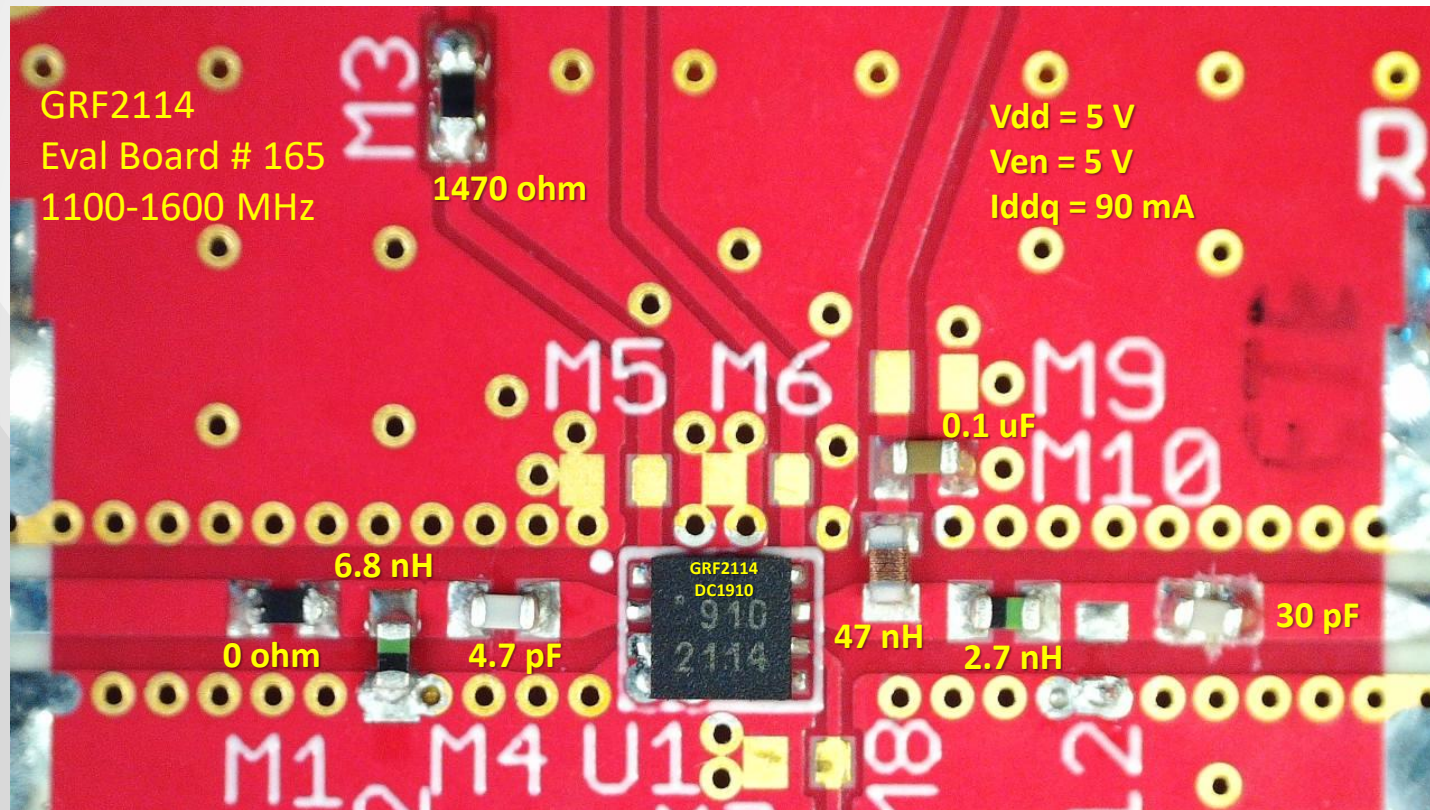


GRF2114 (1100 - 1600 MHz)

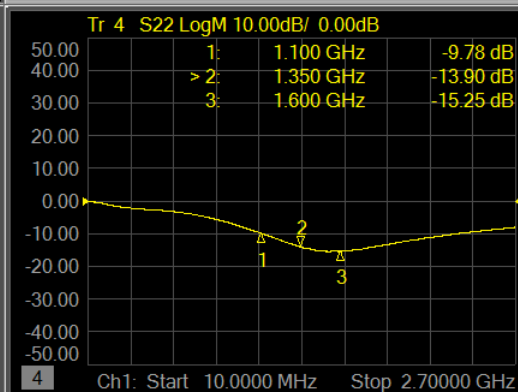
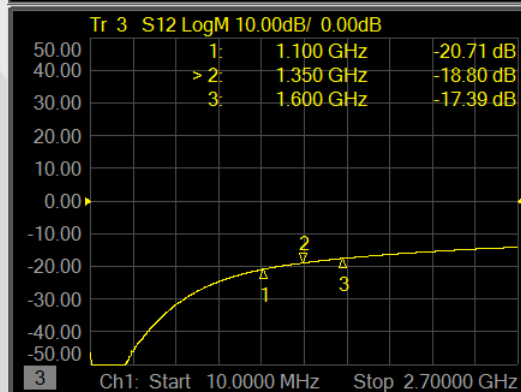
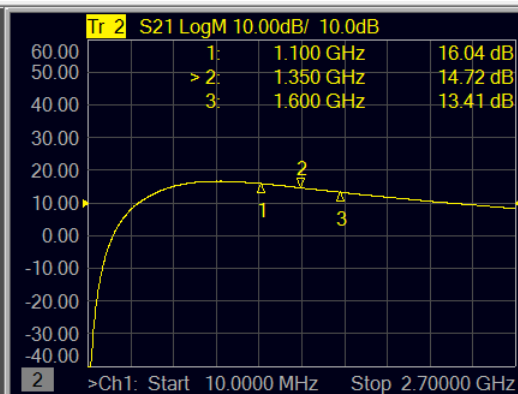
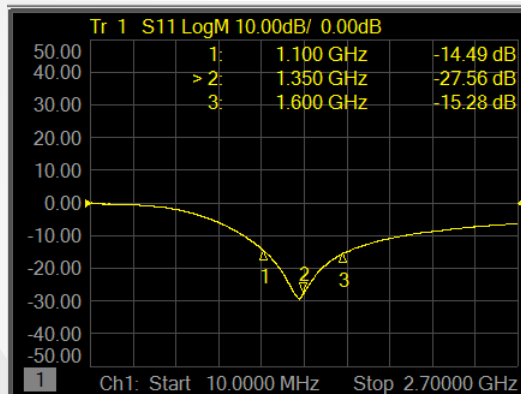
5V/90mA and 3.3V/55mA

Evaluation Board # 165

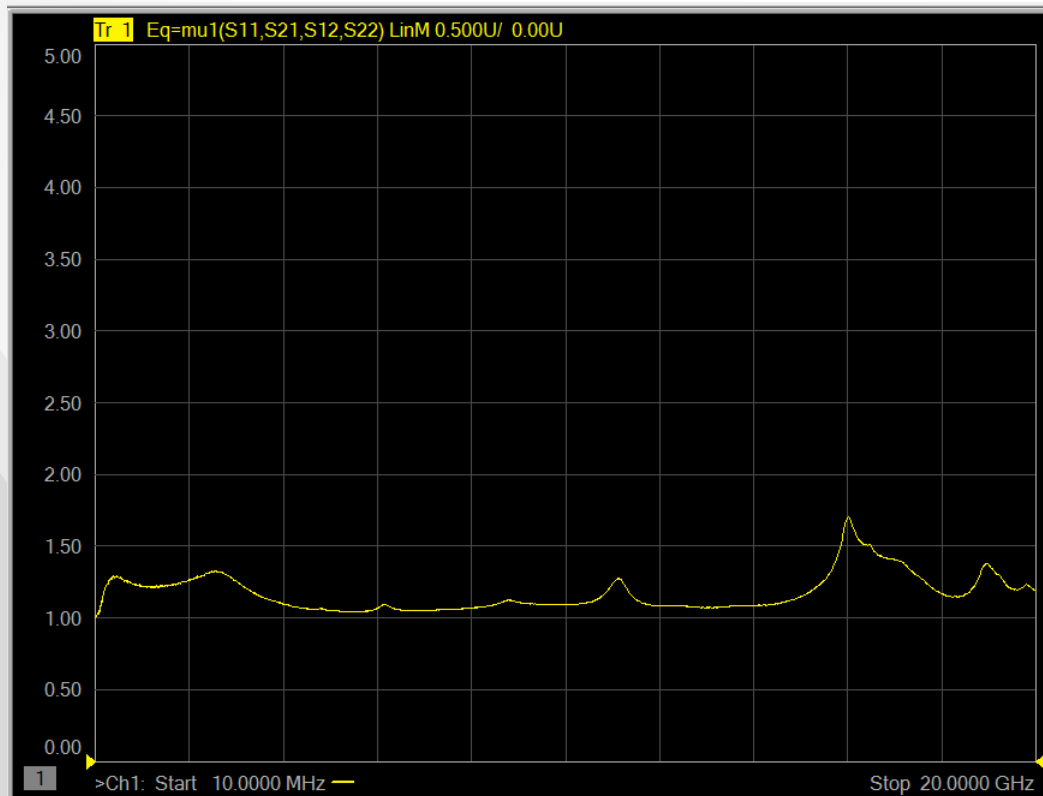
GRF2114 Photo Schematic:



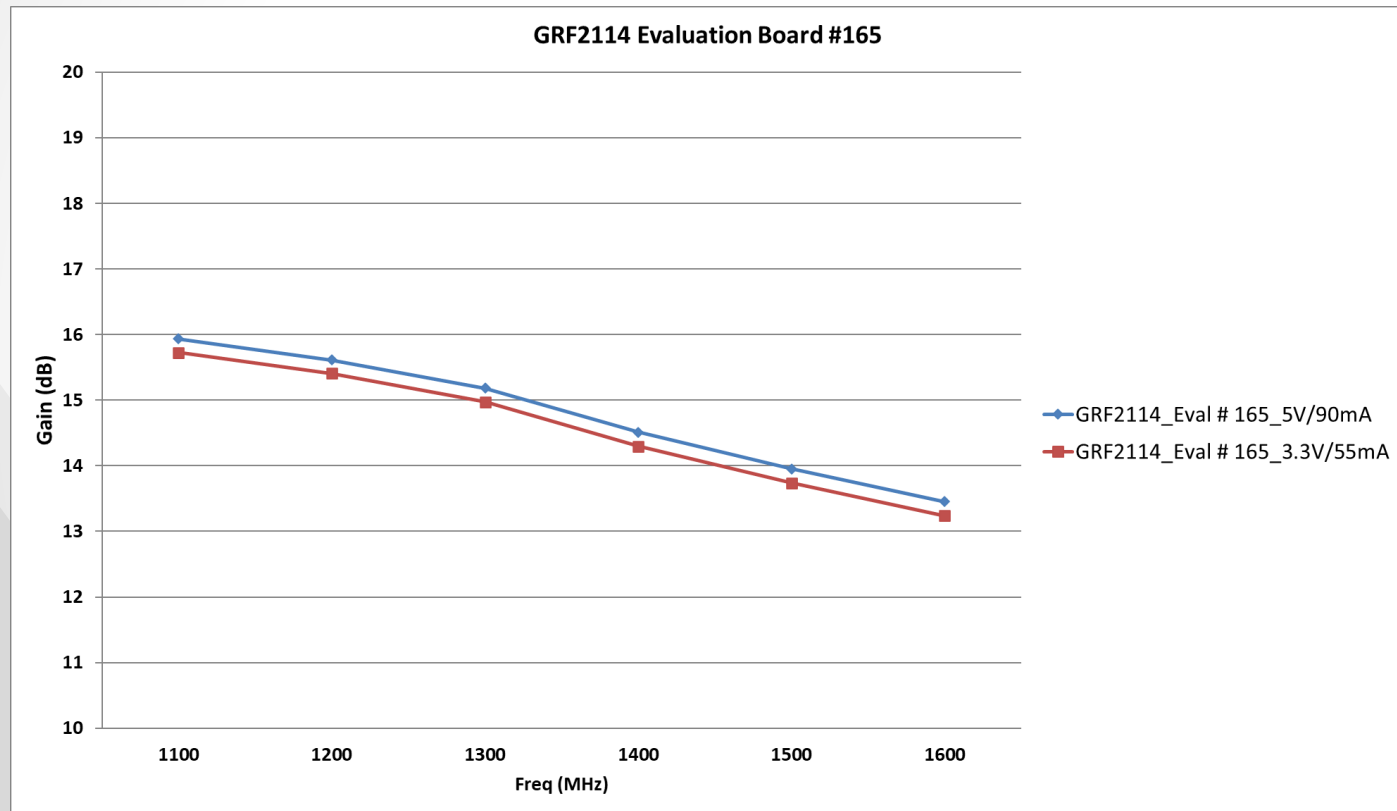
GRF2114 Response:



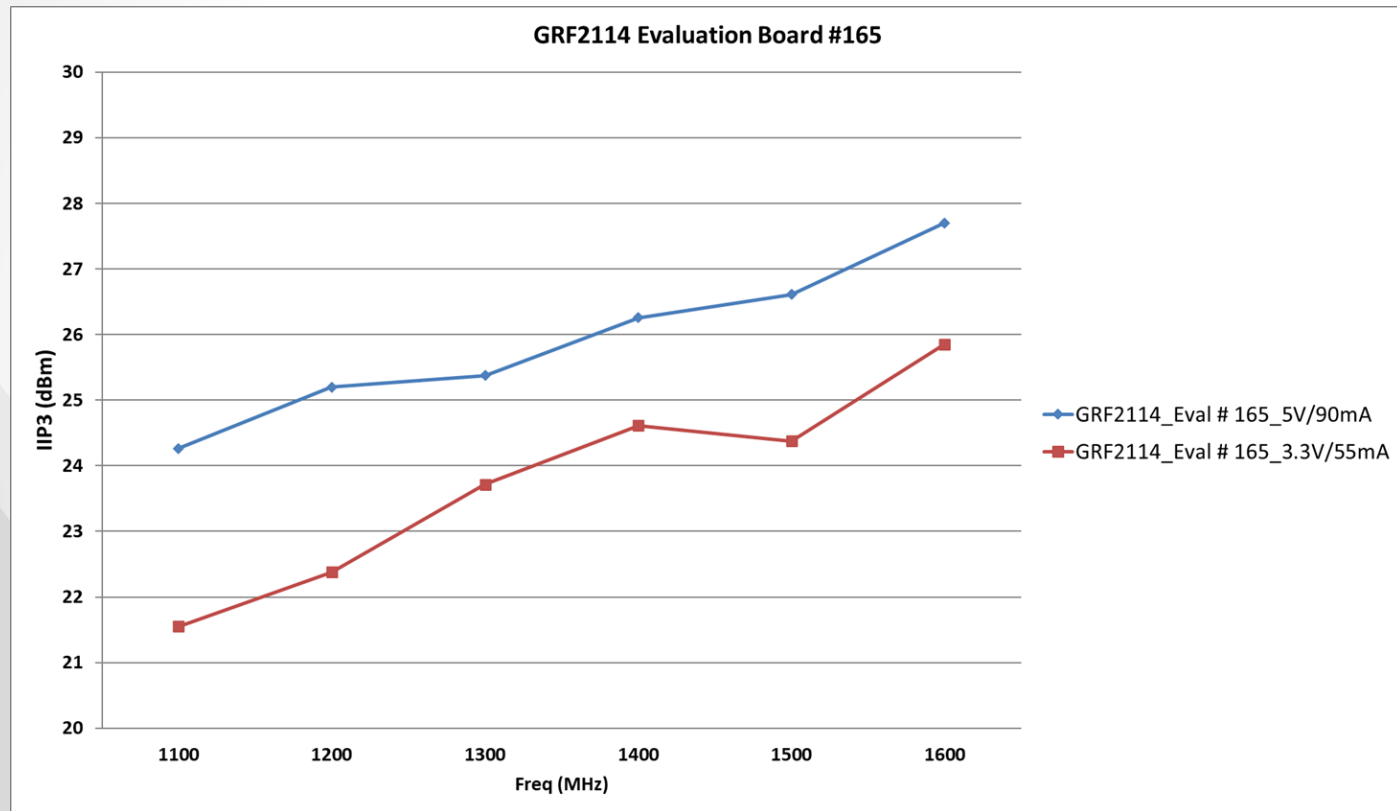
GRF2114 Stability Mu Factor:



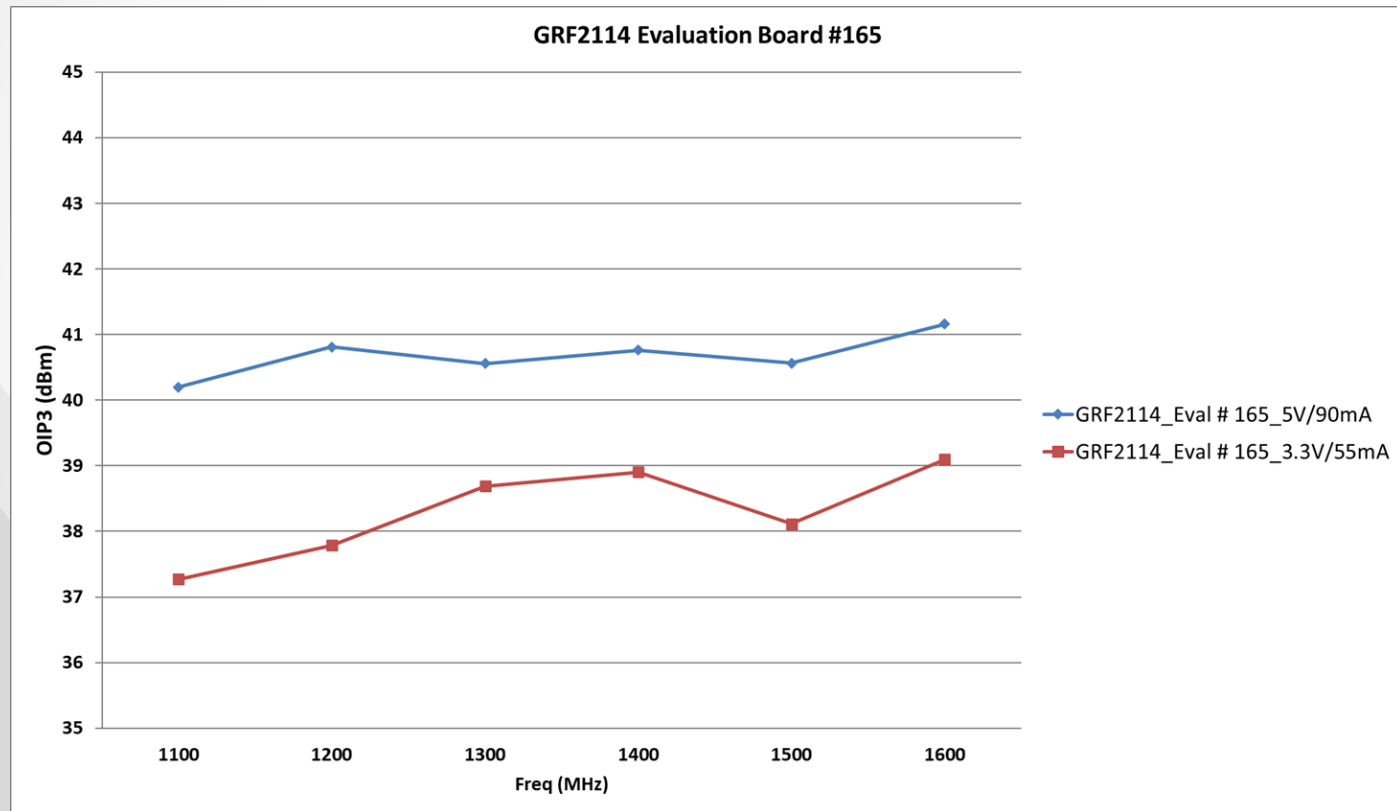
GRF2114 Data: Gain



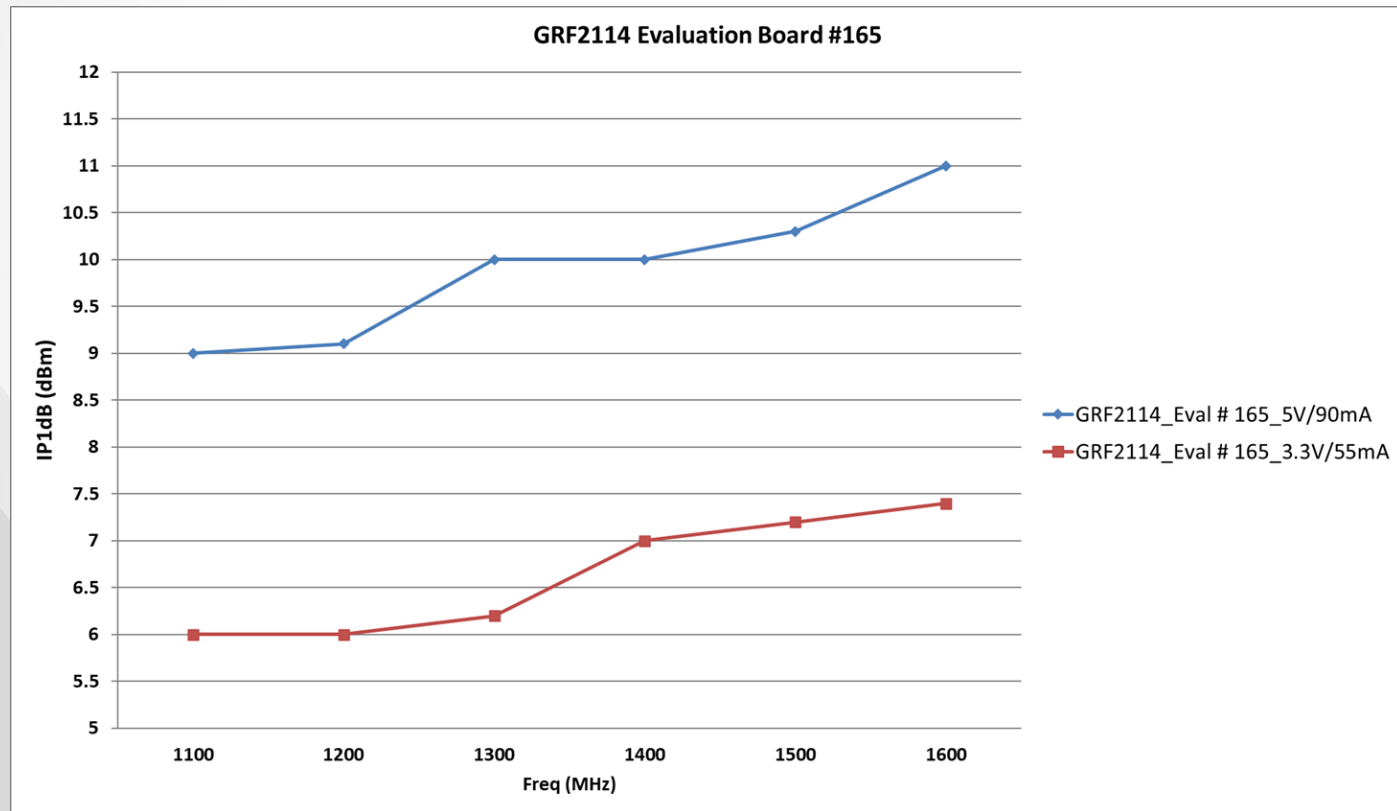
GRF2114 Data: IIP3



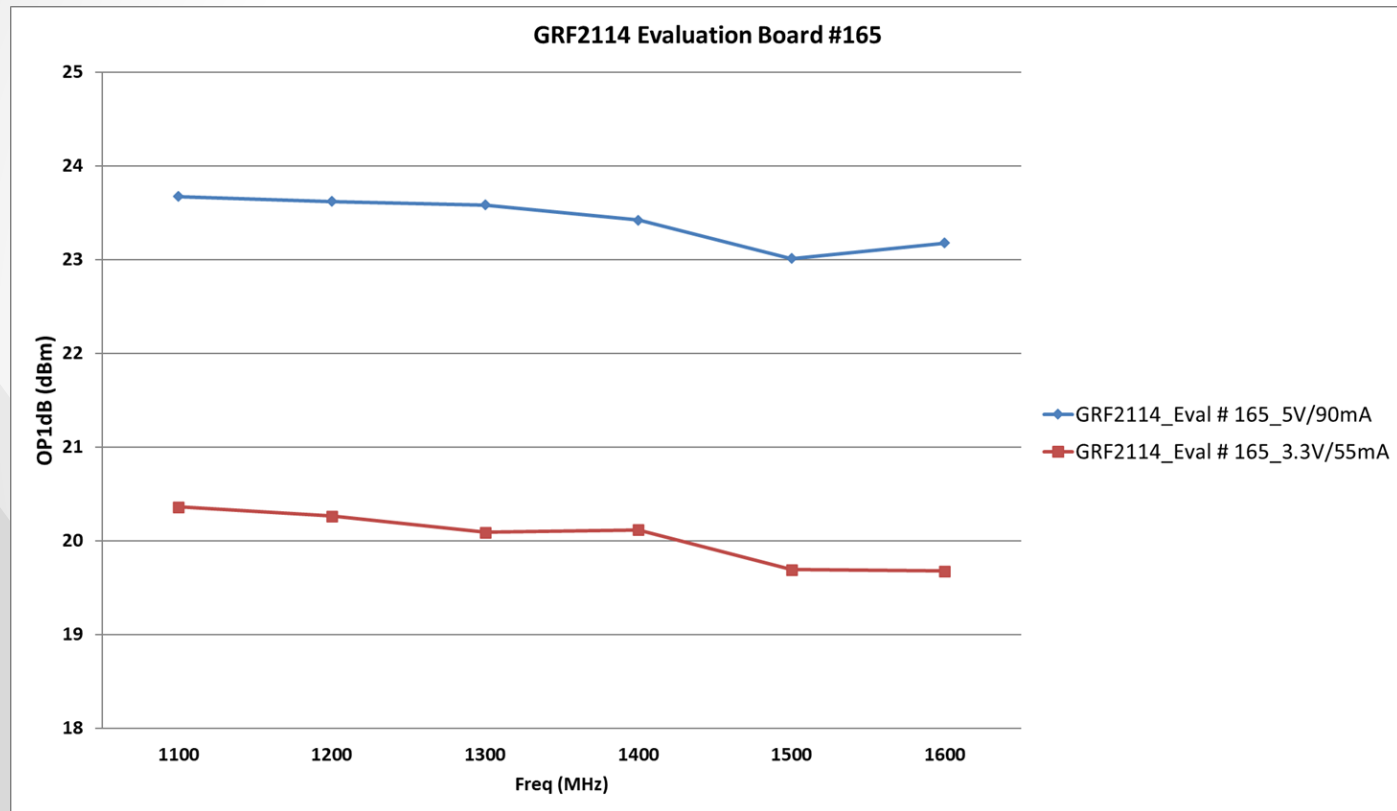
GRF2114 Data: OIP3



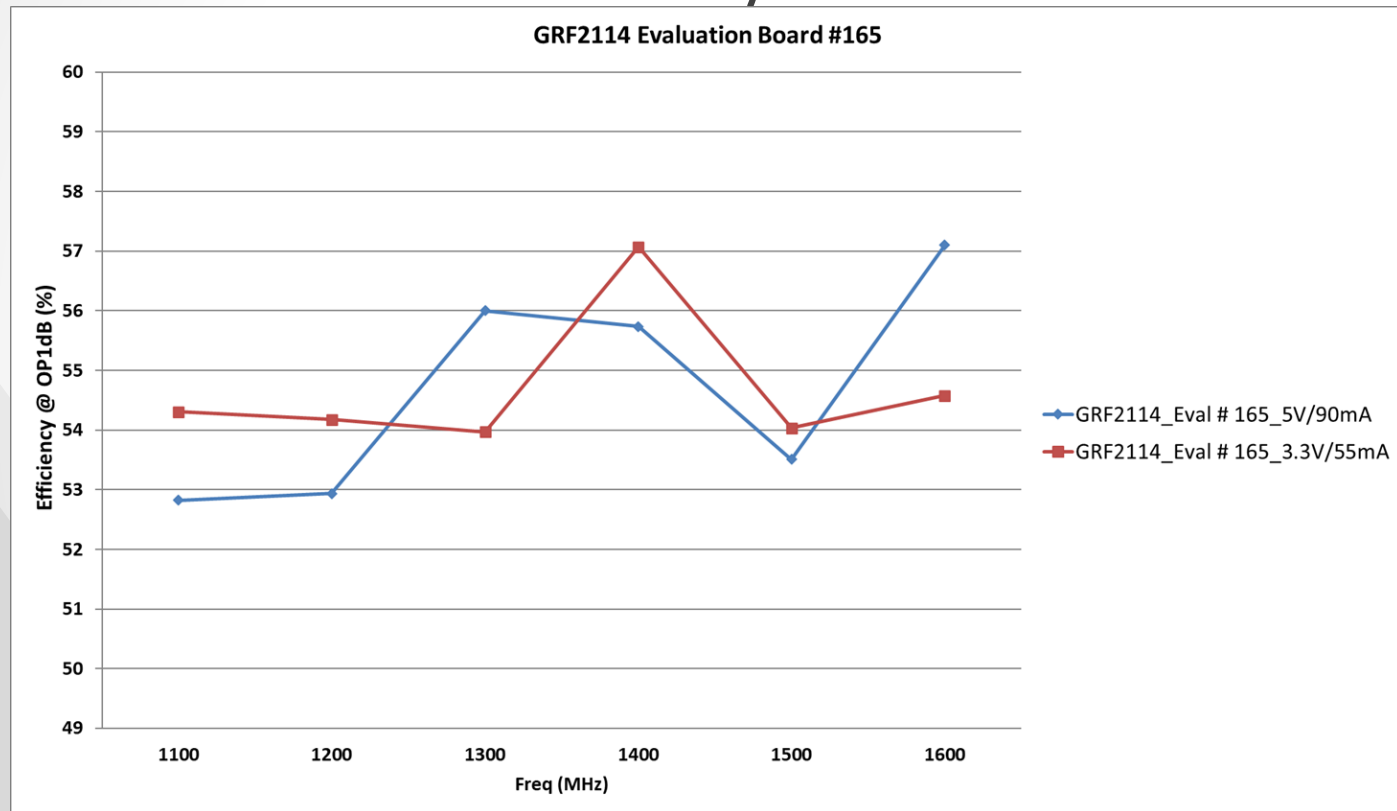
GRF2114 Data: IP1dB



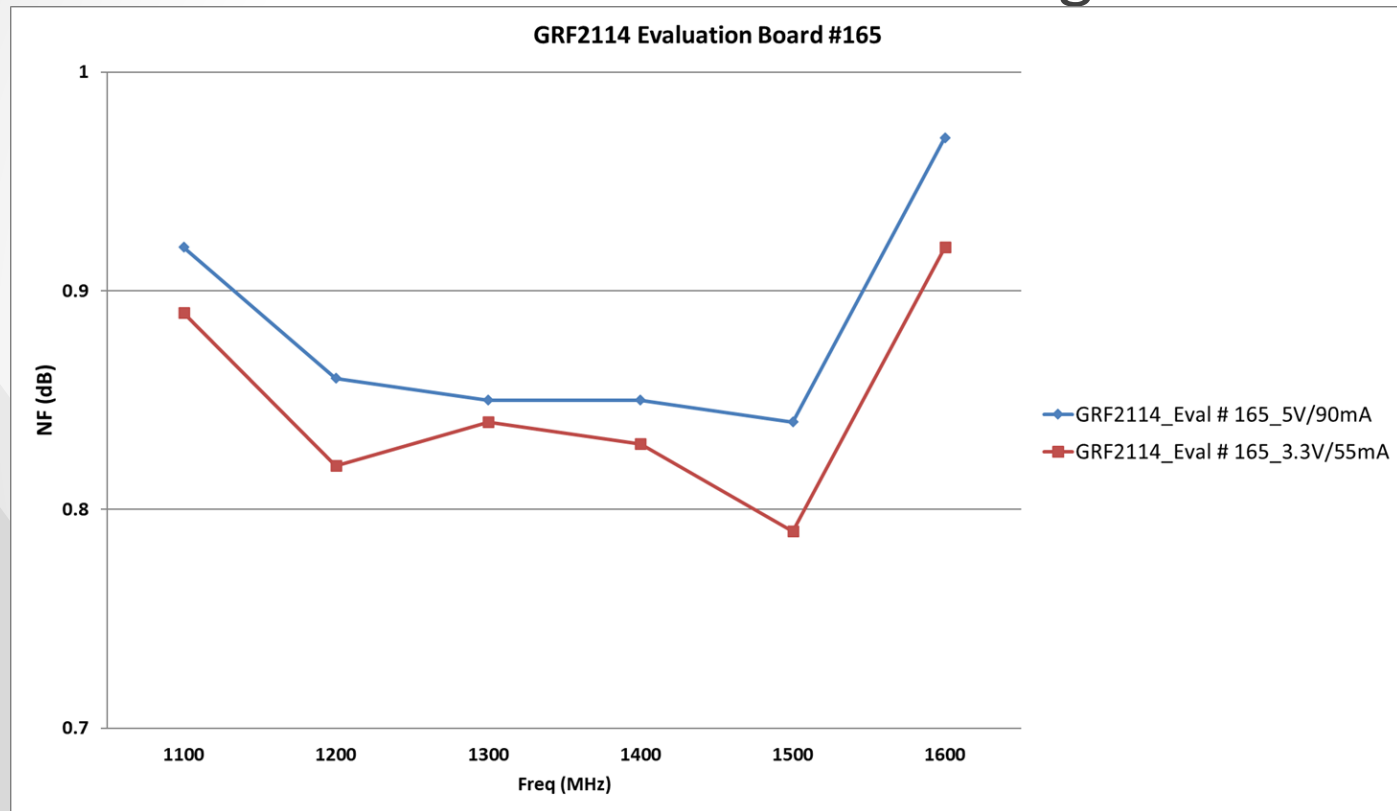
GRF2114 Data: OP1dB



GRF2114 Data: Efficiency



GRF2114 Data: Eval Board Noise Figure



GRF2114 Tabular Data:

Descriptor	Freq MHz	Vdd	Iddq mA	Ven	Ien mA	Pout/Ptone dBm	Gain dB	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	Efficiency @ P1dB %	EVB NF dB
GRF2114_Eval # 165_5V/90mA	1100	5.0	91.0	5.0	3.5	2.0	15.9	24.3	40.2	9.0	23.7	52.8	0.92
GRF2114_Eval # 165_5V/90mA	1200	5.0	91.0	5.0	3.5	2.0	15.6	25.2	40.8	9.1	23.6	52.9	0.86
GRF2114_Eval # 165_5V/90mA	1300	5.0	91.0	5.0	3.5	2.0	15.2	25.4	40.6	10.0	23.6	56.0	0.85
GRF2114_Eval # 165_5V/90mA	1400	5.0	91.0	5.0	3.5	2.0	14.5	26.3	40.8	10.0	23.4	55.7	0.85
GRF2114_Eval # 165_5V/90mA	1500	5.0	91.0	5.0	3.5	2.0	14.0	26.6	40.6	10.3	23.0	53.5	0.84
GRF2114_Eval # 165_5V/90mA	1600	5.0	91.0	5.0	3.5	2.0	13.5	27.7	41.2	11.0	23.2	57.1	0.97
Descriptor	Freq MHz	Vdd	Iddq mA	Ven	Ien mA	Pout/Ptone dBm	Gain dB	IIP3 dBm	OIP3 dBm	IP1dB dBm	OP1dB dBm	Efficiency @ P1dB %	EVB NF dB
GRF2114_Eval # 165_3.3V/55mA	1100	3.3	55.7	3.3	2.3	2.0	15.7	21.6	37.3	6.0	20.4	54.3	0.89
GRF2114_Eval # 165_3.3V/55mA	1200	3.3	55.7	3.3	2.3	2.0	15.4	22.4	37.8	6.0	20.3	54.2	0.82
GRF2114_Eval # 165_3.3V/55mA	1300	3.3	55.7	3.3	2.3	2.0	15.0	23.7	38.7	6.2	20.1	54.0	0.84
GRF2114_Eval # 165_3.3V/55mA	1400	3.3	55.7	3.3	2.3	2.0	14.3	24.6	38.9	7.0	20.1	57.1	0.83
GRF2114_Eval # 165_3.3V/55mA	1500	3.3	55.7	3.3	2.3	2.0	13.7	24.4	38.1	7.2	19.7	54.0	0.79
GRF2114_Eval # 165_3.3V/55mA	1600	3.3	55.7	3.3	2.3	2.0	13.2	25.9	39.1	7.4	19.7	54.6	0.92



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