



GRF2108 – EVB#213

45-55MHz; 3.4v; ~17mA

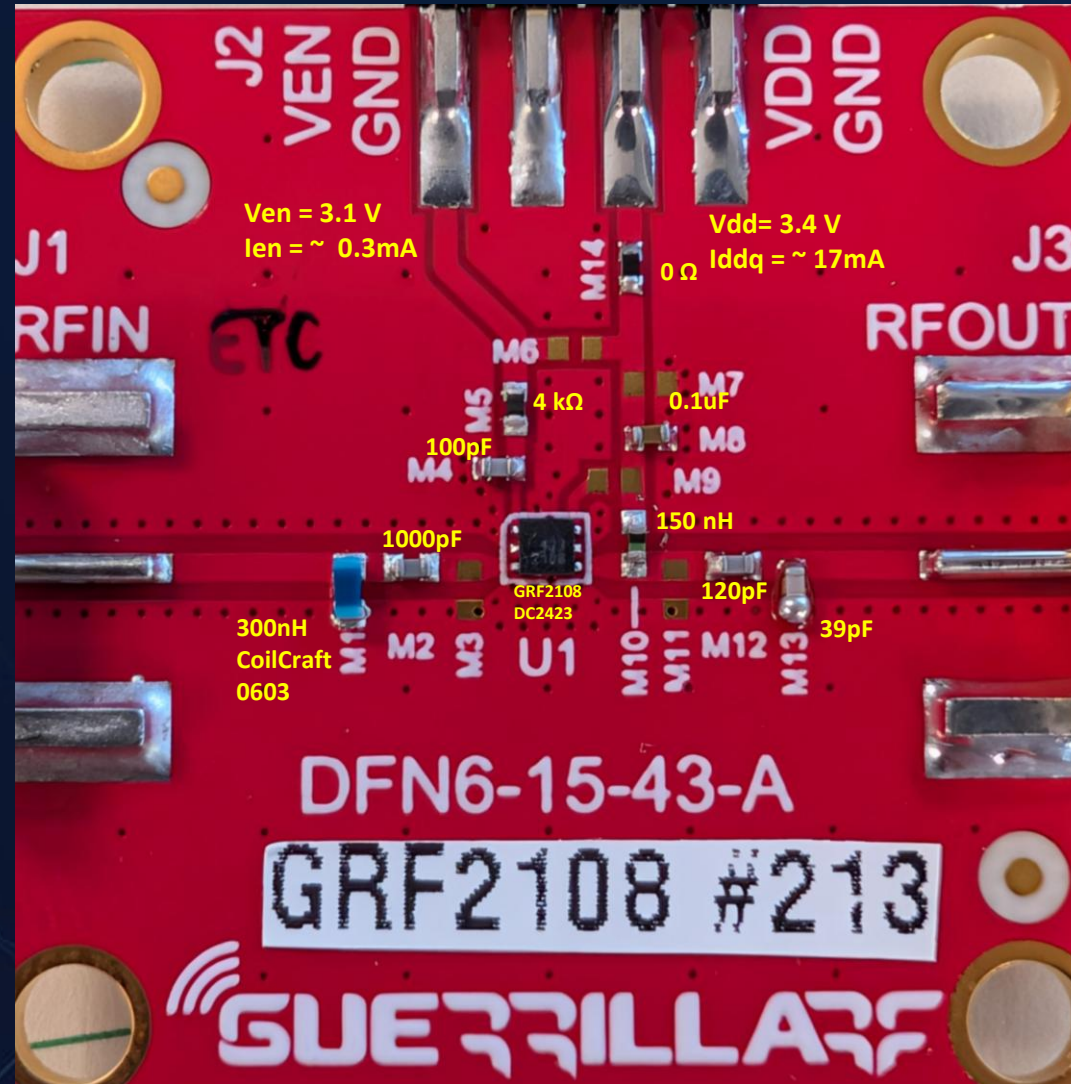
SEPTEMBER 4, 2026

GRF2108 DC2423

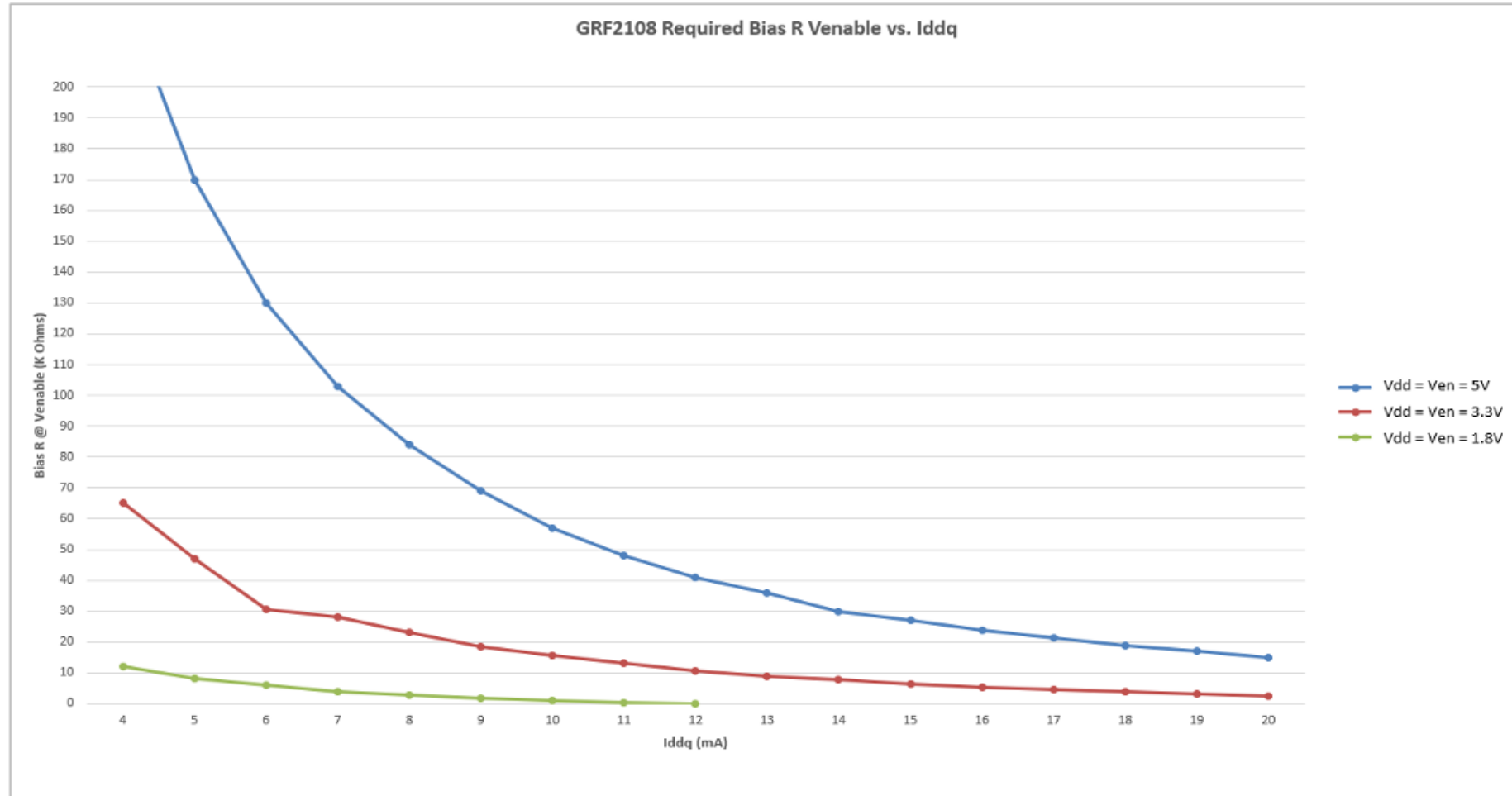
EVB#213 45-55MHz

BOM:

Resistor M5 can be scaled to a higher Value in order to lower Iddq



GRF2108 Bias Resistor Selection Curves



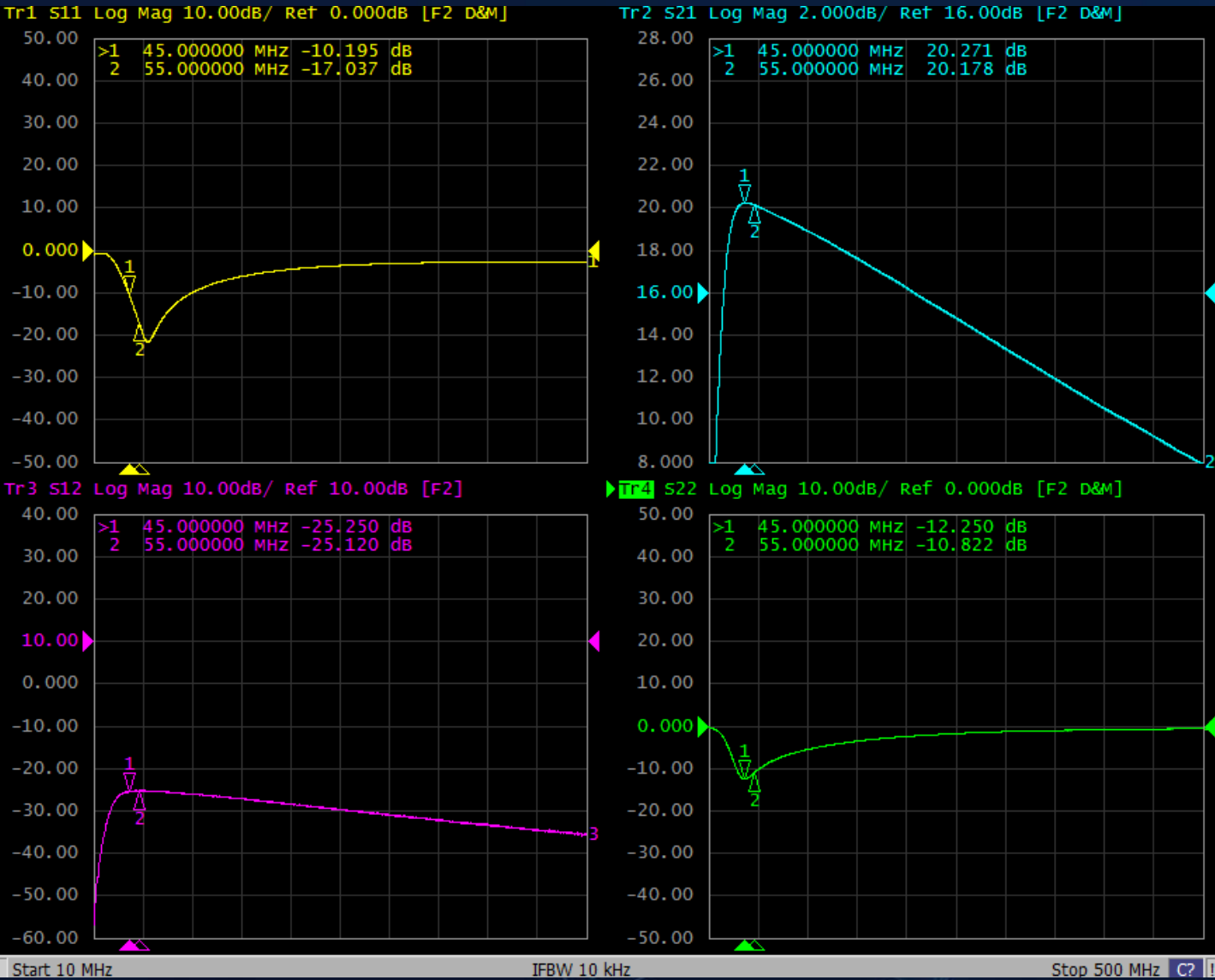
GRF2108 DC2423 EVB#213 Data Summary Table:

Part	EVB#	Freq(MHz)	Vdd(V)	Ven(V)	Iddq(mA)	Ien(mA)	Pout/Ptone(dBm)	ToneSpace(MHz)	Gain(dB)	IIP3(dBm)	OIP3(dBm)	IP1dB(dBm)	OP1dB(dBm)	EVB_NF(dB)
GRF2108	213	45	3.4	3.1	17	0.3	5	0.6	20	3	23	-2.2	17	1.38
GRF2108	213	55	3.4	3.1	17	0.3	5	0.6	20	5	25	-2.2	17	1.19

Gain of 20dB highest achievable gain at this bias



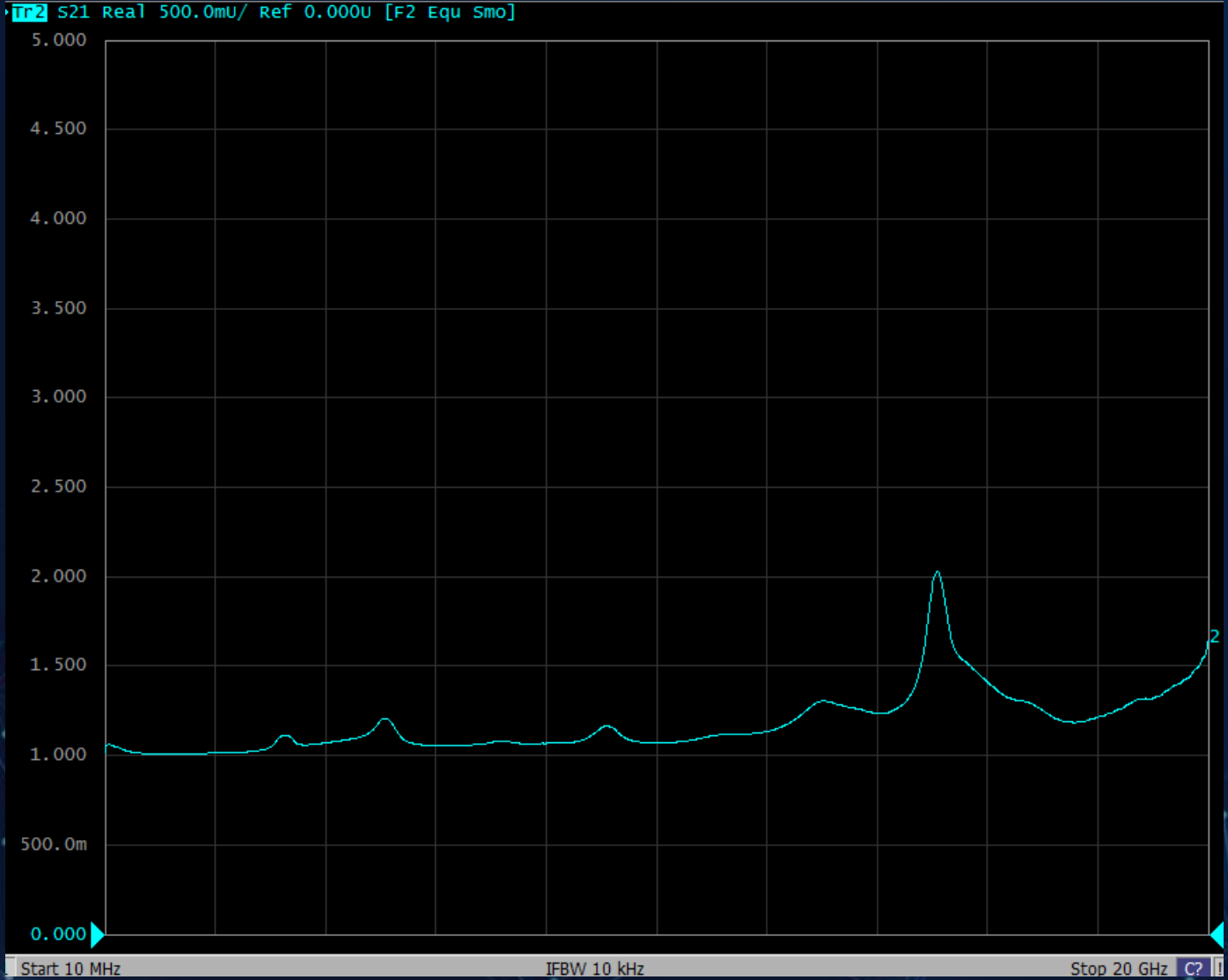
GRF2108 DC2423 EVB#213 S-Parameters:



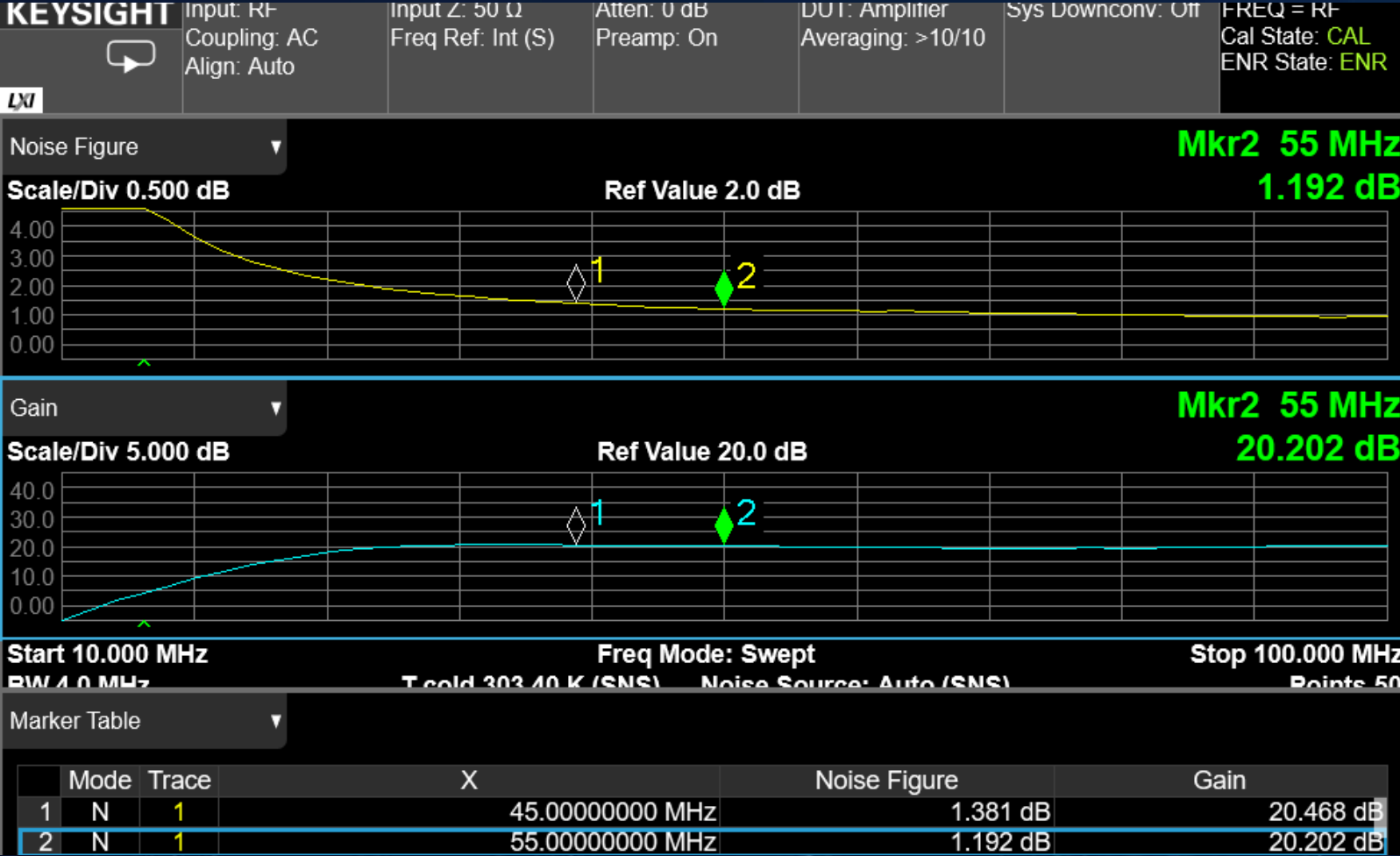
Gain of 20dB highest achievable gain at this bias



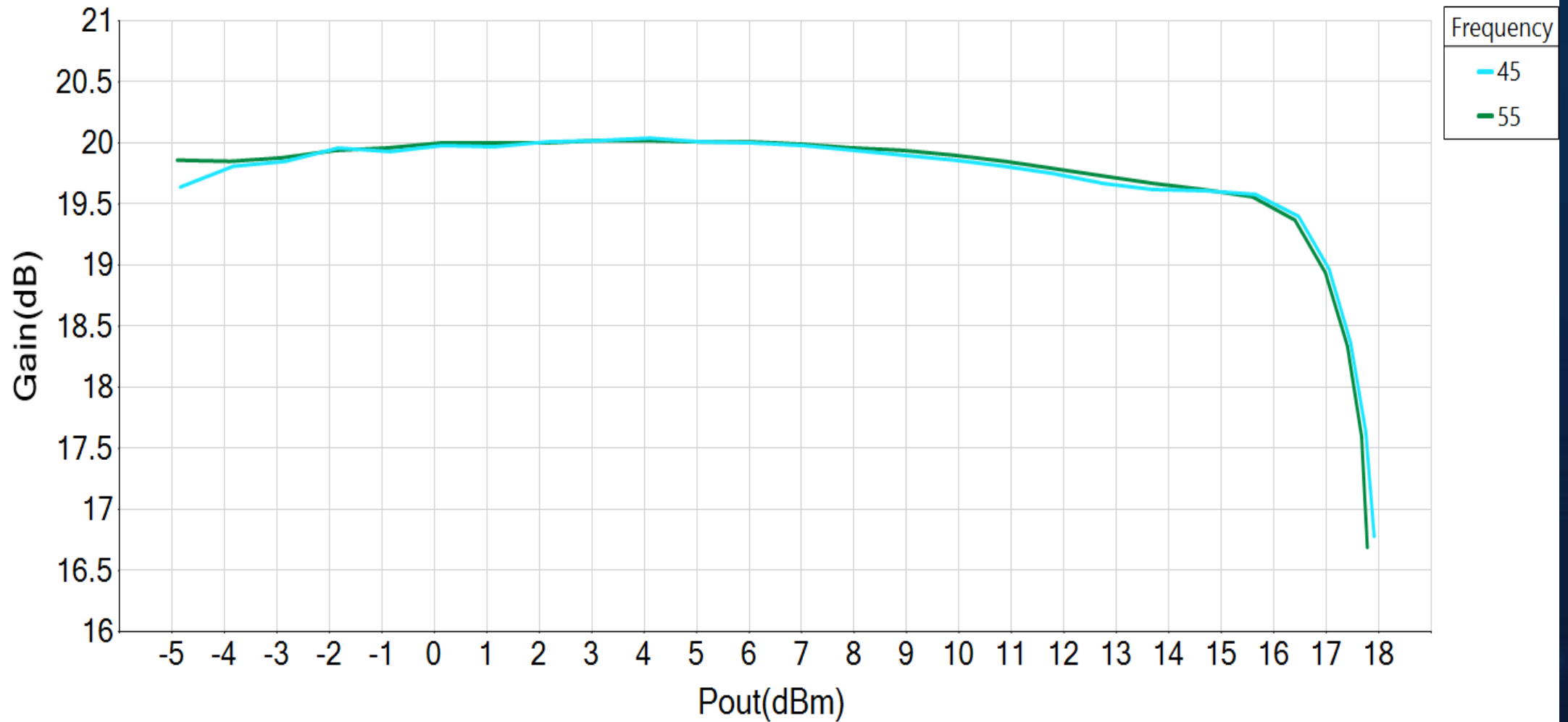
GRF2108 DC2423 EVB#213 Stability Factor/Mu:



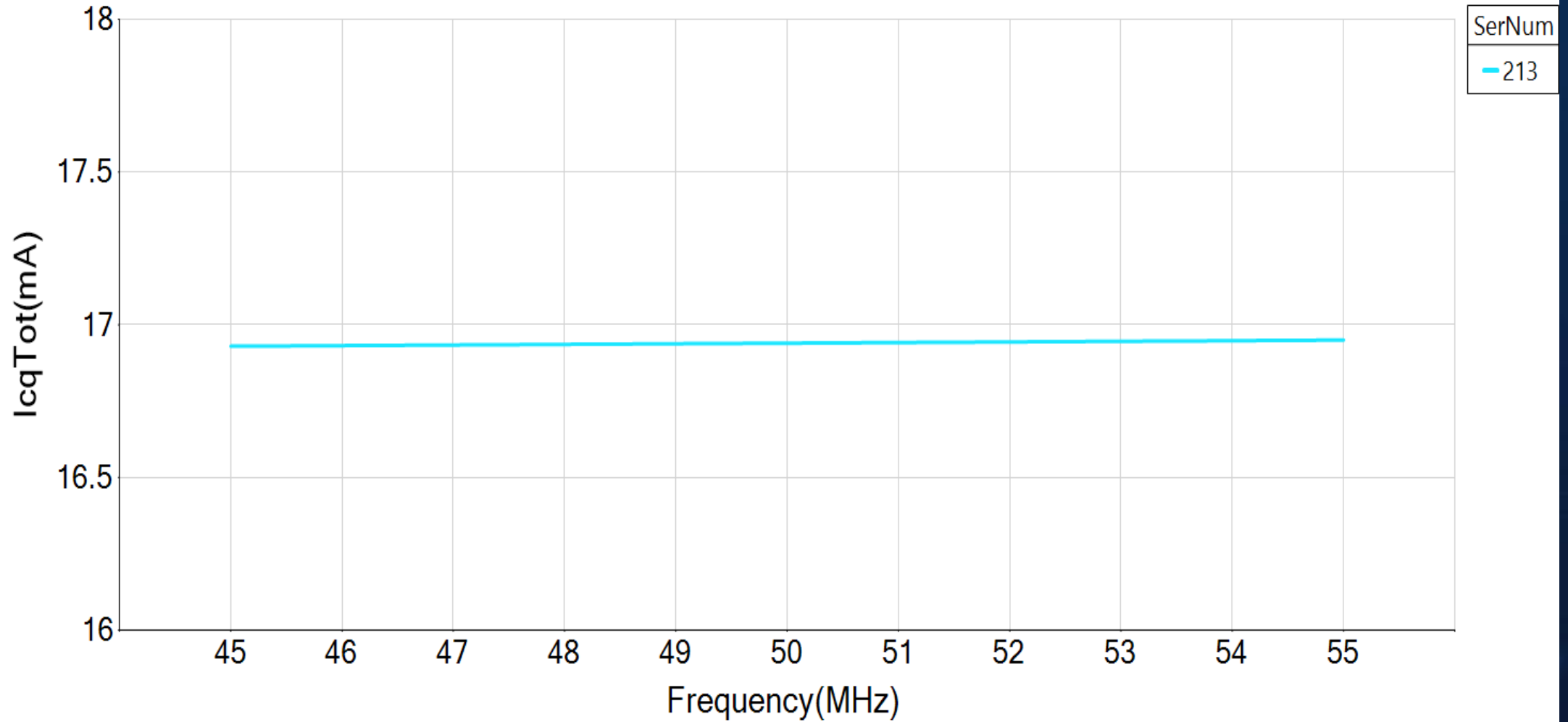
GRF2108 DC2423 EVB#213 Noise Figure(dB):



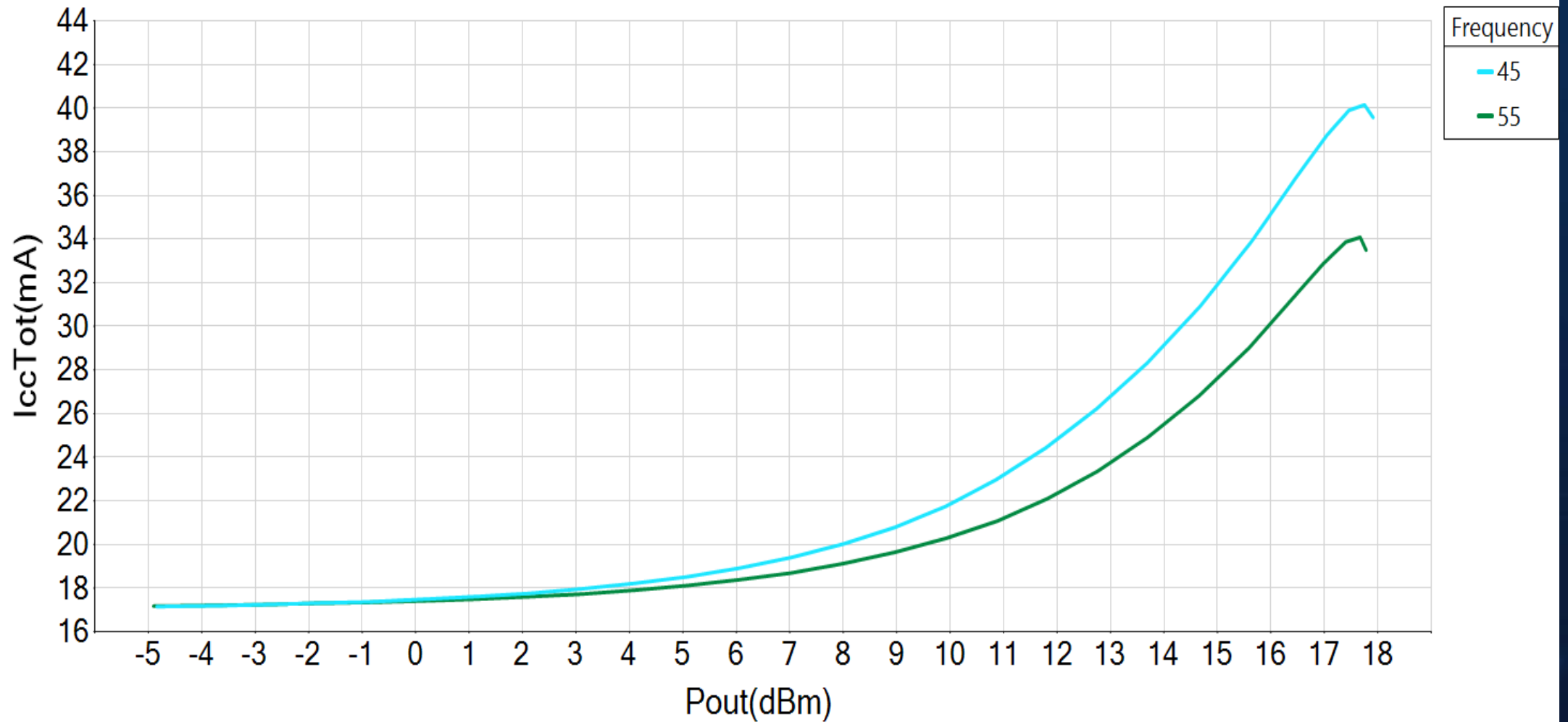
GRF2108 Gain vs Pout at SerNum = 213



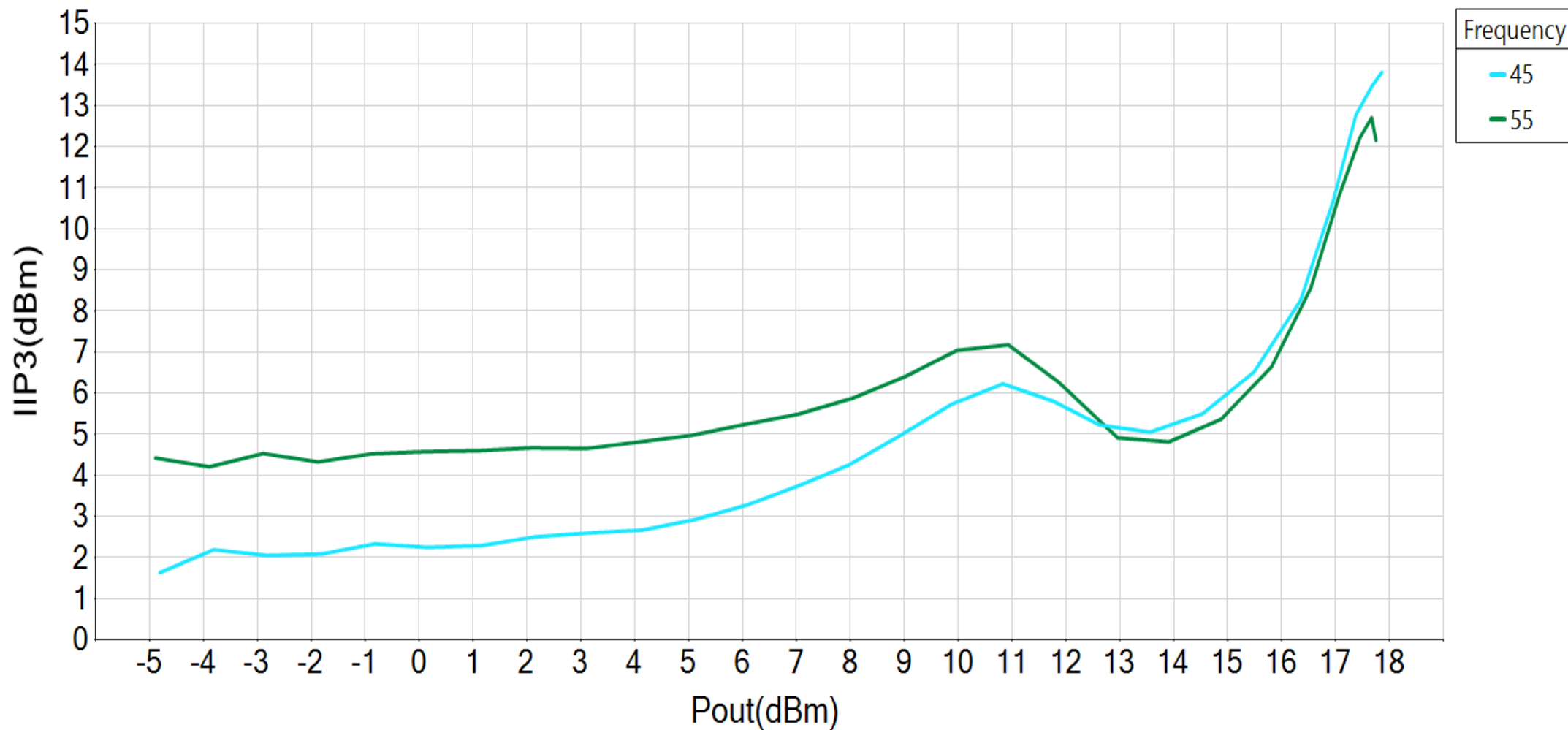
GRF2108 IcqTot(mA) vs Frequency at SerNum = 213



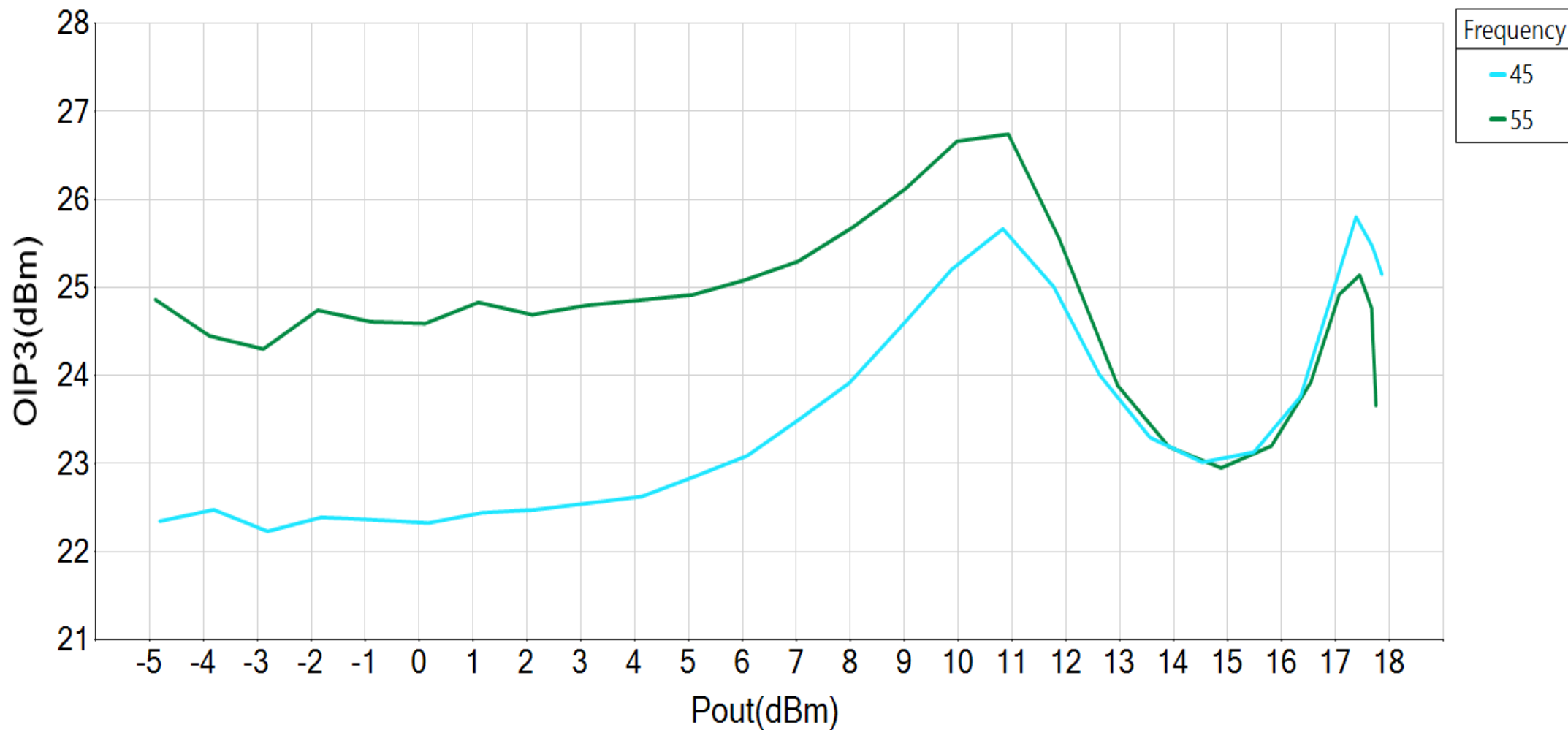
GRF2108 IccTot vs Pout at SerNum = 213



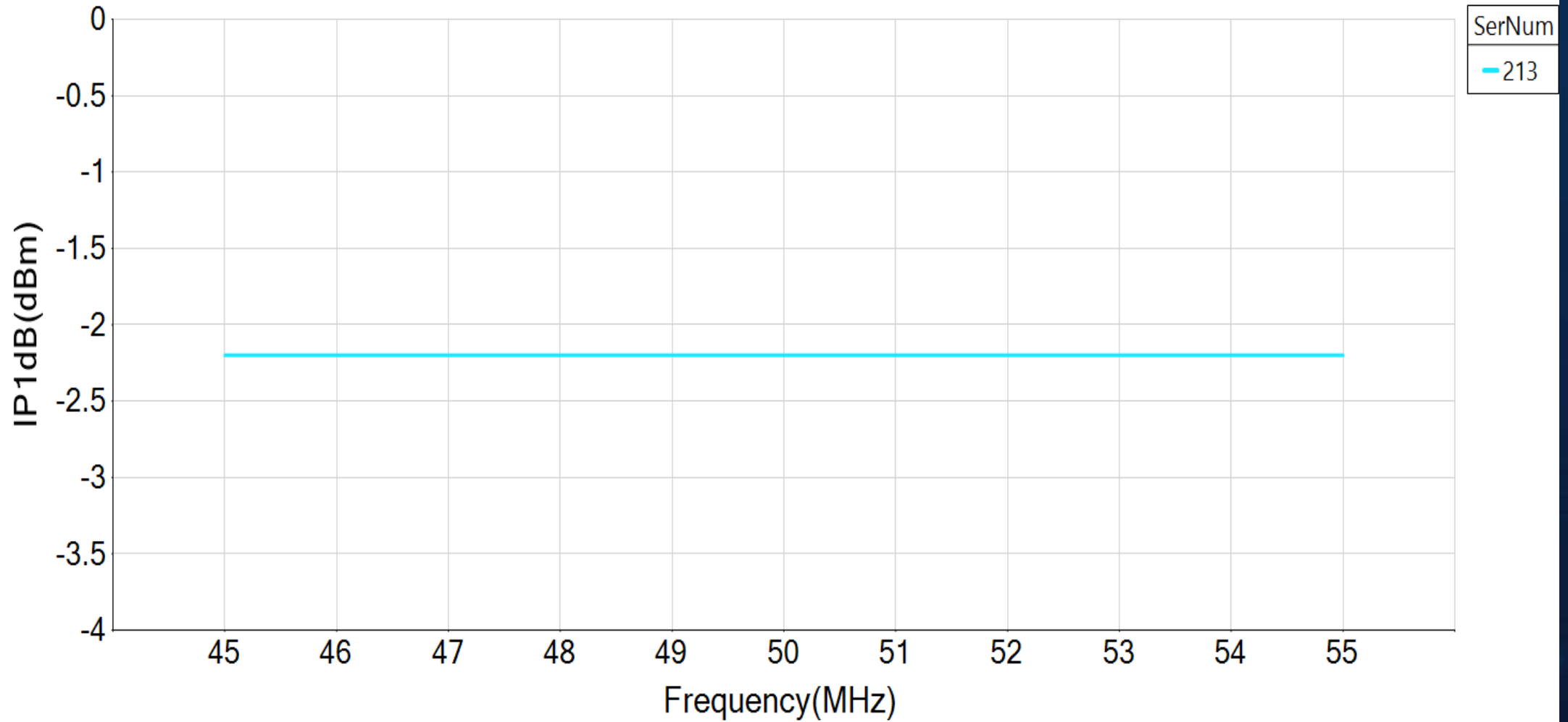
GRF2108 IIP3 vs Pout at SerNum = 213



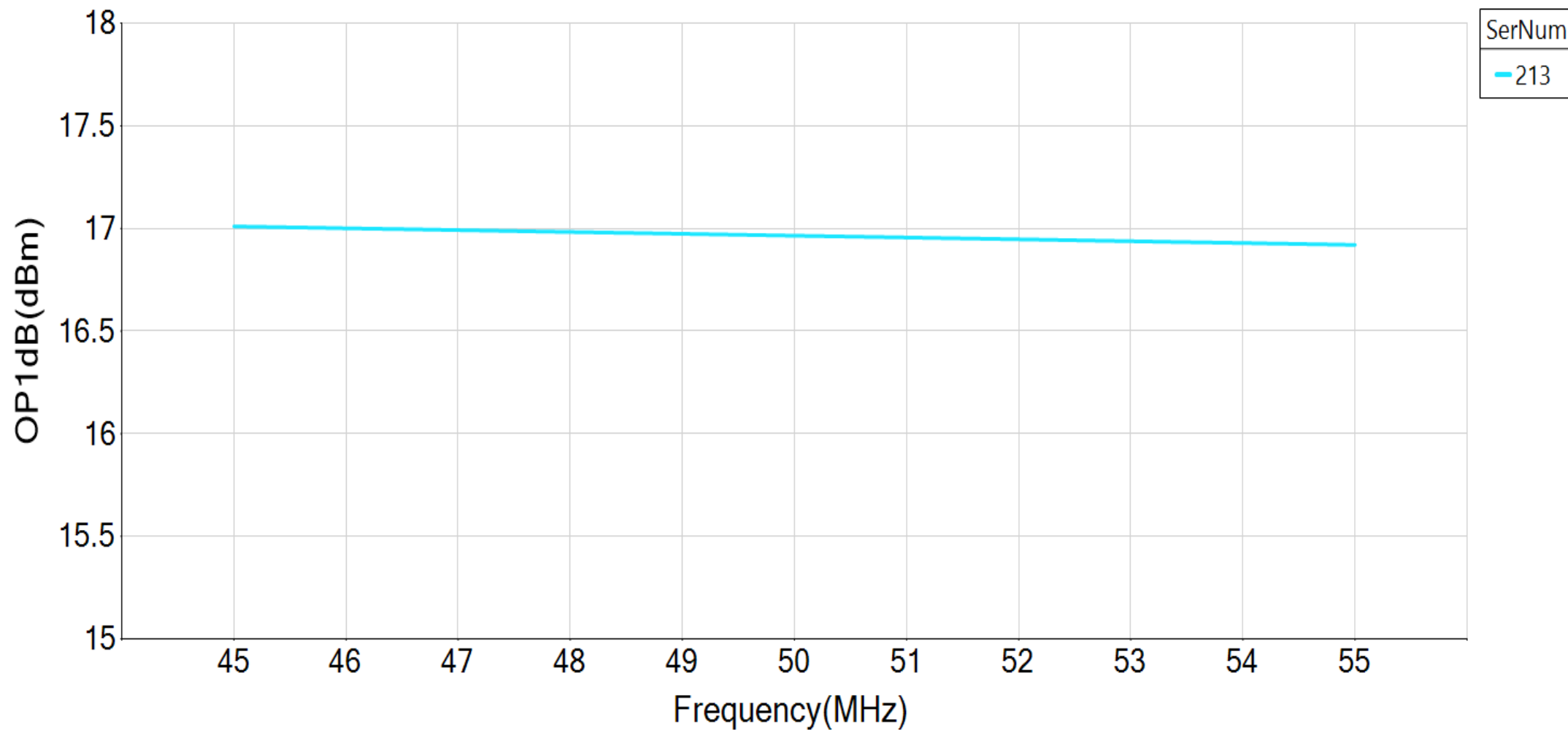
GRF2108 OIP3 vs Pout at SerNum = 213



GRF2108 IP1dB vs Frequency at SerNum = 213



GRF2108 OP1dB vs Frequency at SerNum = 213





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