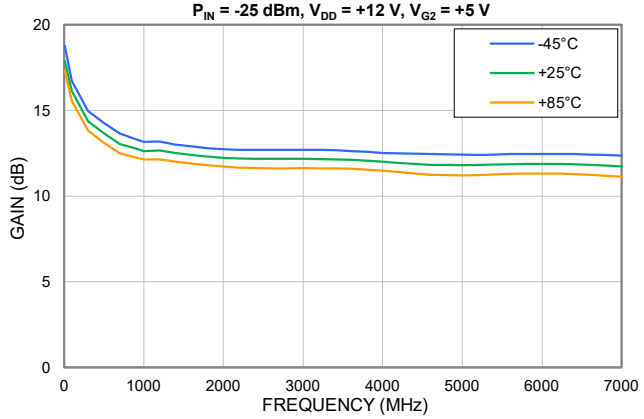
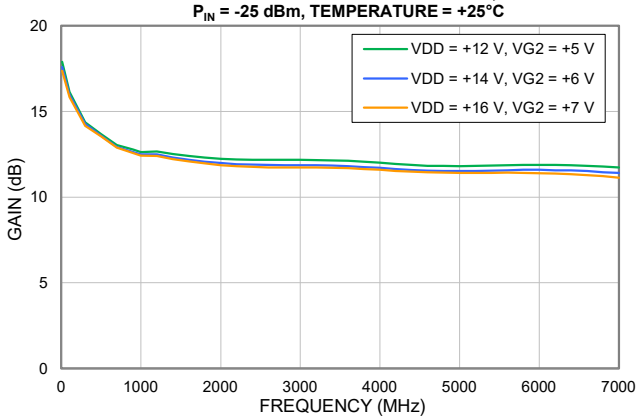
Typical Performance Curves

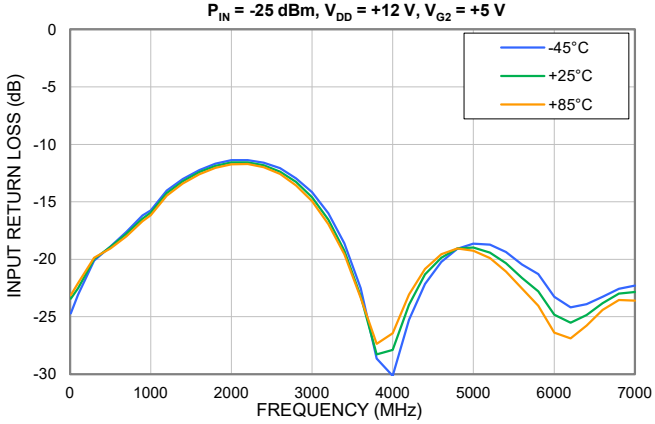
GAIN vs. TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V



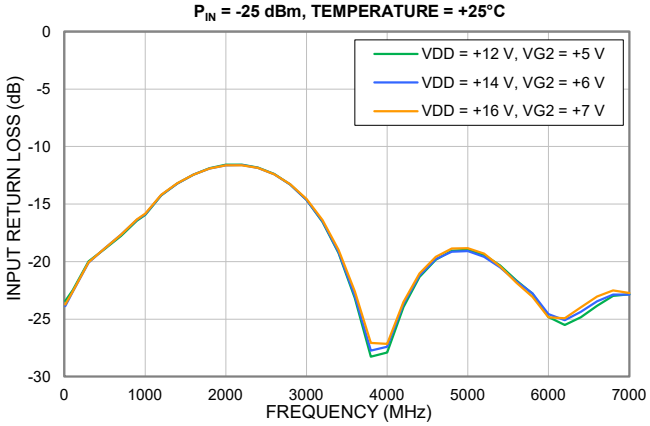
GAIN vs. DEVICE VOLTAGE,
P_{IN} = -25 dBm, TEMPERATURE = +25°C



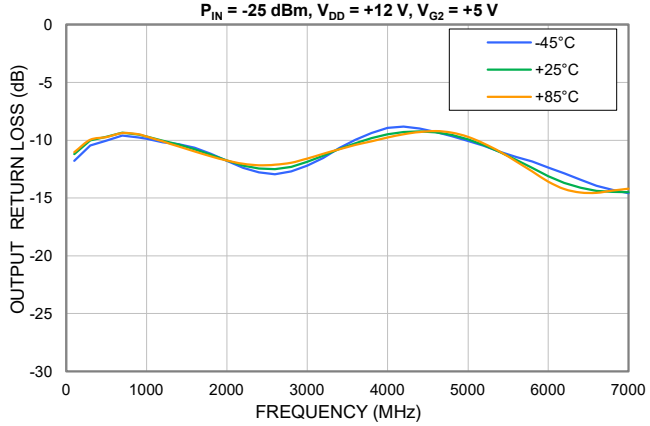
INPUT RETURN LOSS vs.TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V



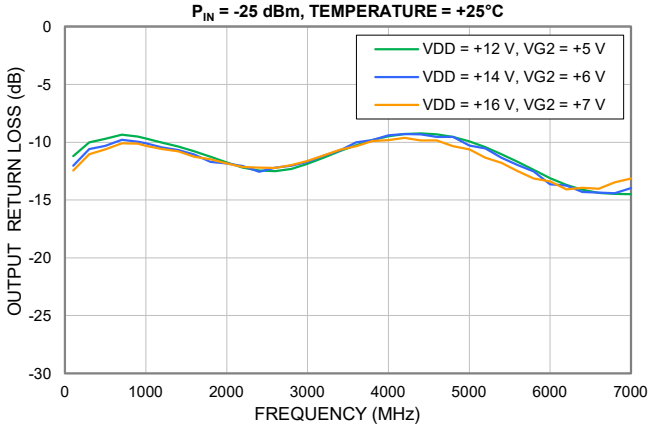
INPUT RETURN LOSS vs. DEVICE VOLTAGE,
P_{IN} = -25 dBm, TEMPERATURE = +25°C



OUTPUT RETURN LOSS vs. TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V

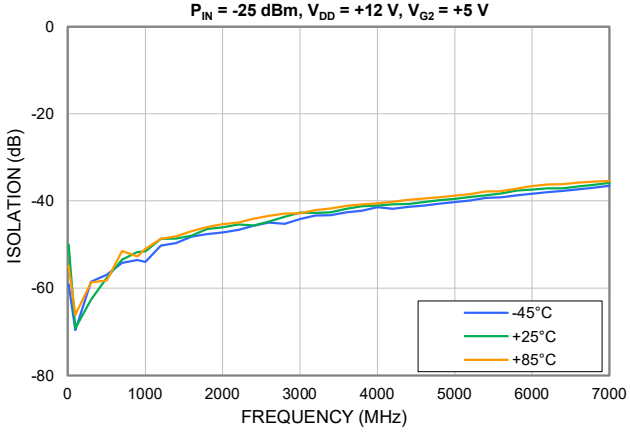


OUTPUT RETURN LOSS vs. DEVICE VOLTAGE,
P_{IN} = -25 dBm, TEMPERATURE = +25°C

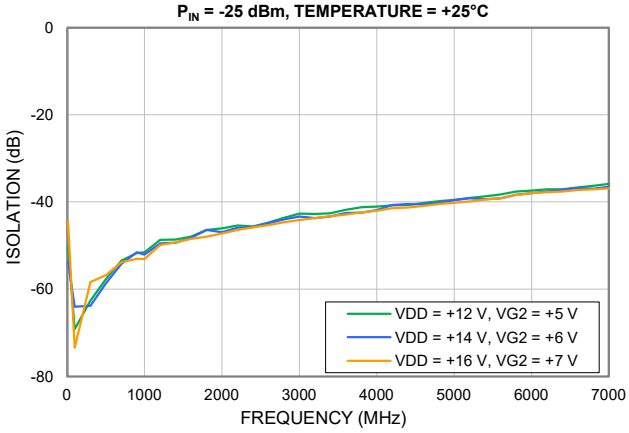


Typical Performance Curves

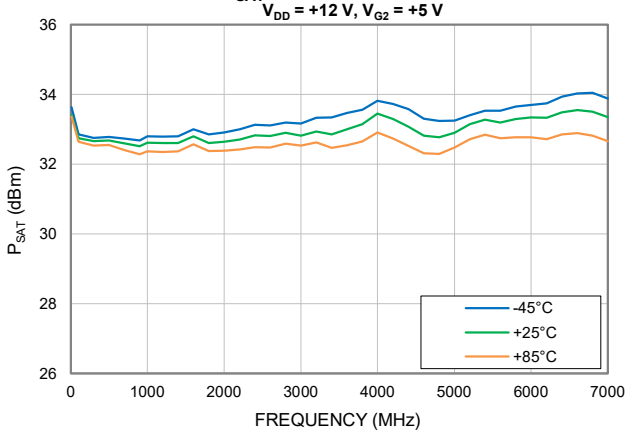
ISOLATION vs.TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V



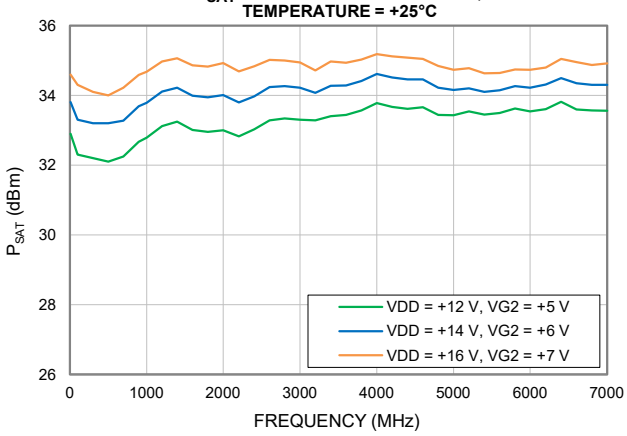
ISOLATION vs. DEVICE VOLTAGE,
P_{IN} = -25 dBm, TEMPERATURE = +25°C



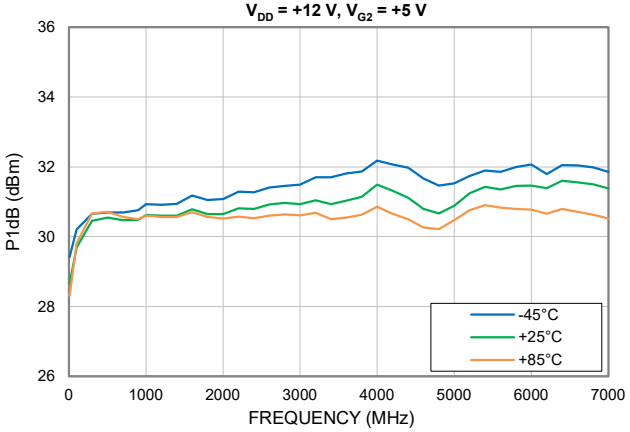
P_{SAT} vs. TEMPERATURE,
V_{DD} = +12 V, V_{G2} = +5 V



P_{SAT} vs. DEVICE VOLTAGE,
TEMPERATURE = +25°C

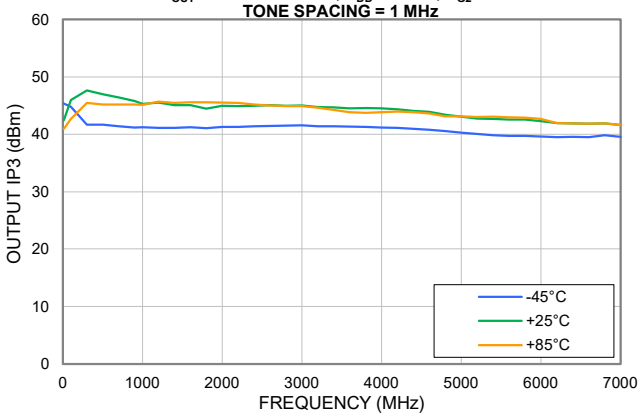


P1dB vs. TEMPERATURE,
V_{DD} = +12 V, V_{G2} = +5 V

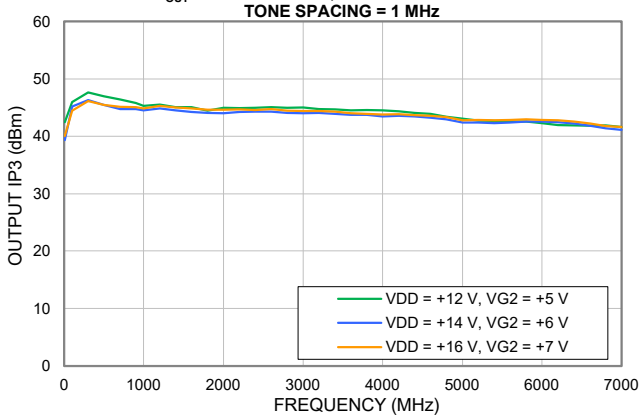


Typical Performance Curves

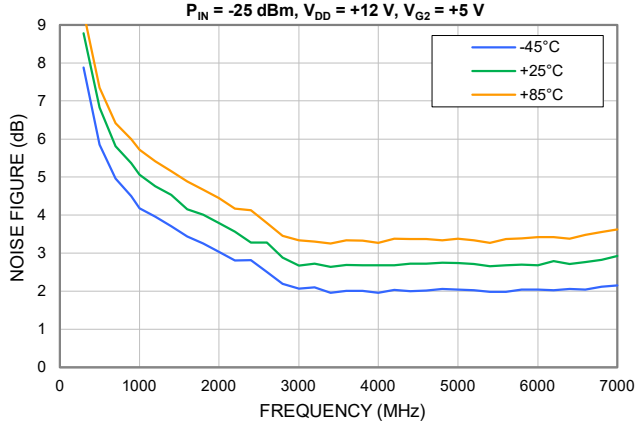
OUTPUT IP3 vs. TEMPERATURE,
P_{OUT} = +20 dBm/TONE, V_{DD} = +12 V, V_{G2} = +5 V
TONE SPACING = 1 MHz



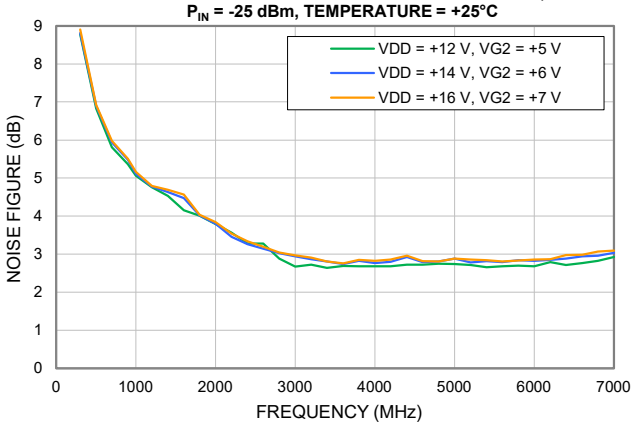
OUTPUT IP3 vs. DEVICE VOLTAGE,
P_{OUT} = +20 dBm/TONE, TEMPERATURE = +25°C
TONE SPACING = 1 MHz



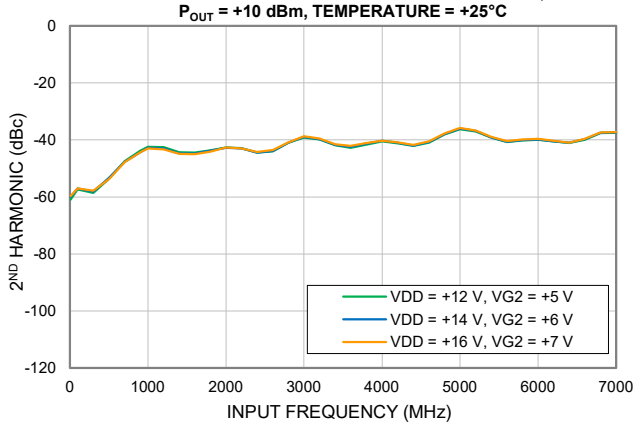
NOISE FIGURE vs. TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V



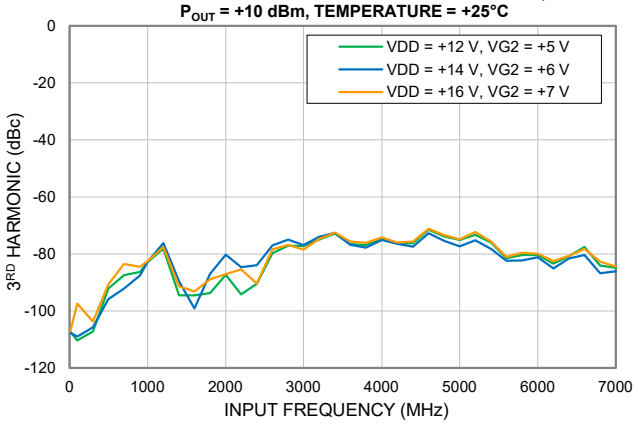
NOISE FIGURE vs. DEVICE VOLTAGE,
P_{IN} = -25 dBm, TEMPERATURE = +25°C



2ND HARMONIC vs. DEVICE VOLTAGE,
P_{OUT} = +10 dBm, TEMPERATURE = +25°C

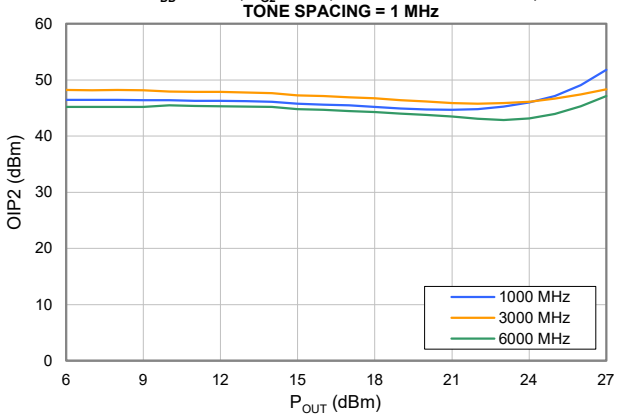


3RD HARMONIC vs. DEVICE VOLTAGE,
P_{OUT} = +10 dBm, TEMPERATURE = +25°C

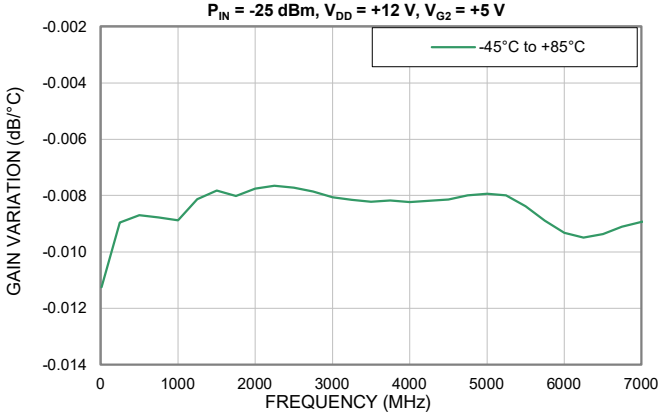


Typical Performance Curves

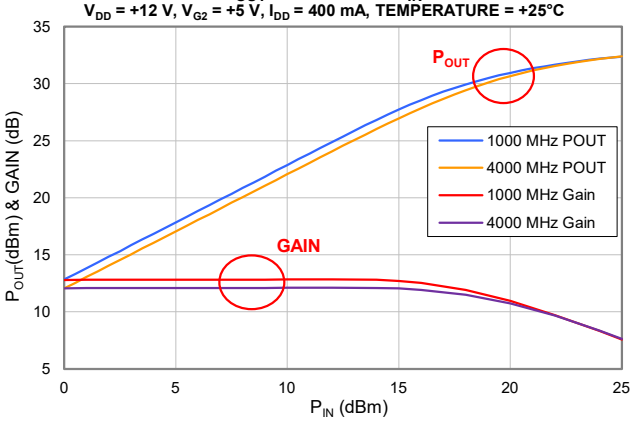
OUTPUT IP2 vs. P_{OUT}/TONE
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C,
TONE SPACING = 1 MHz



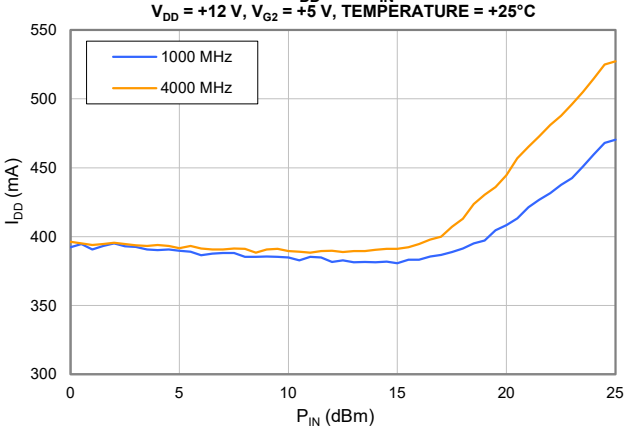
GAIN VARIATION vs. TEMPERATURE,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V



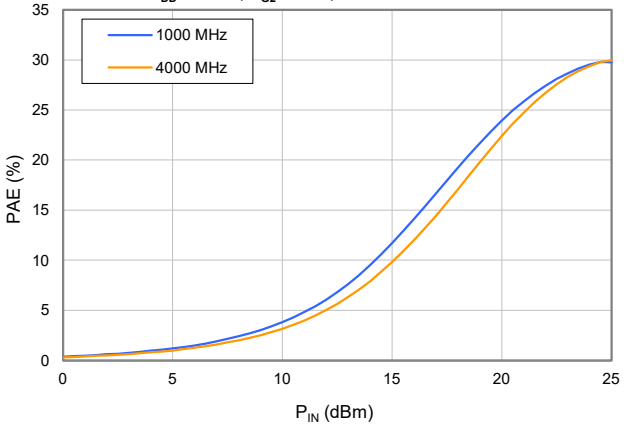
P_{OUT} & GAIN vs. P_{IN},
V_{DD} = +12 V, V_{G2} = +5 V, I_{DD} = 400 mA, TEMPERATURE = +25°C



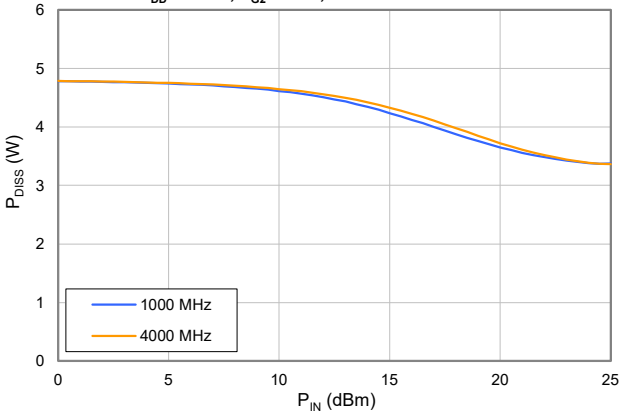
I_{DD} vs. P_{IN}
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



PAE vs. P_{IN}
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C

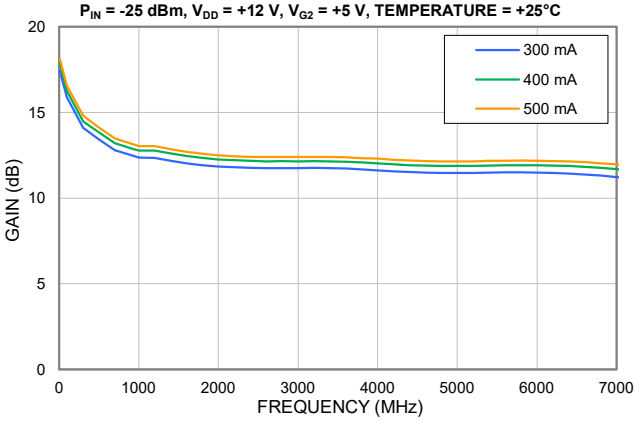


P_{DISS} vs. P_{IN}
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C

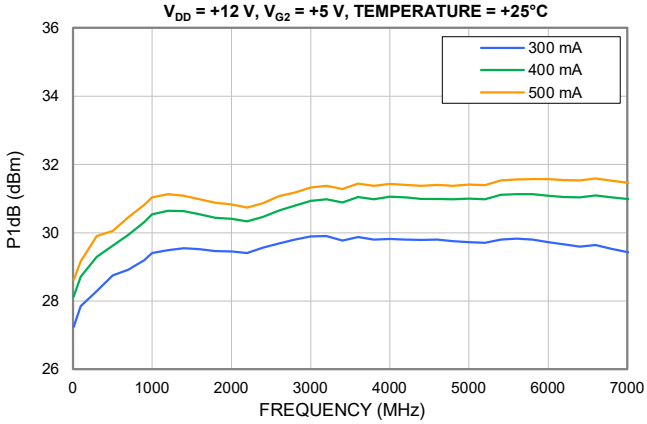


Typical Performance Curves

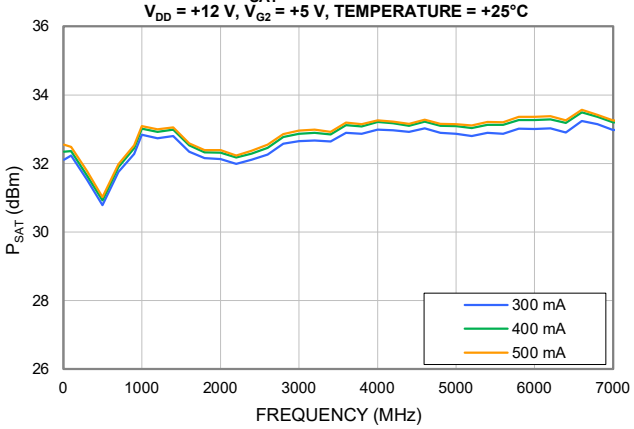
GAIN vs. CURRENT,
P_{IN} = -25 dBm, V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



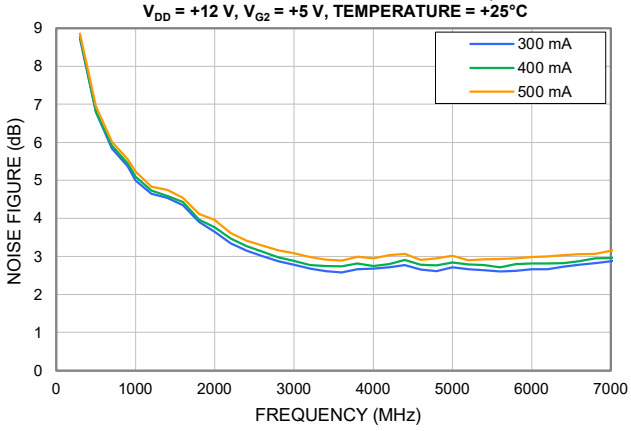
P1dB vs. CURRENT,
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



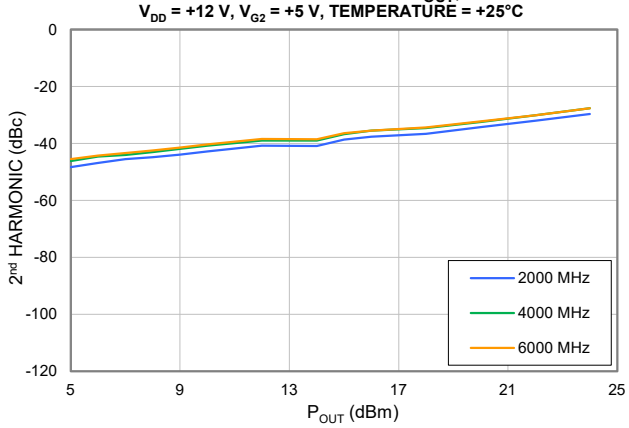
P_{SAT} vs. CURRENT,
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



NOISE FIGURE vs. CURRENT,
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



2ND HARMONIC vs. P_{OUT},
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C



3RD HARMONIC vs. P_{OUT},
V_{DD} = +12 V, V_{G2} = +5 V, TEMPERATURE = +25°C