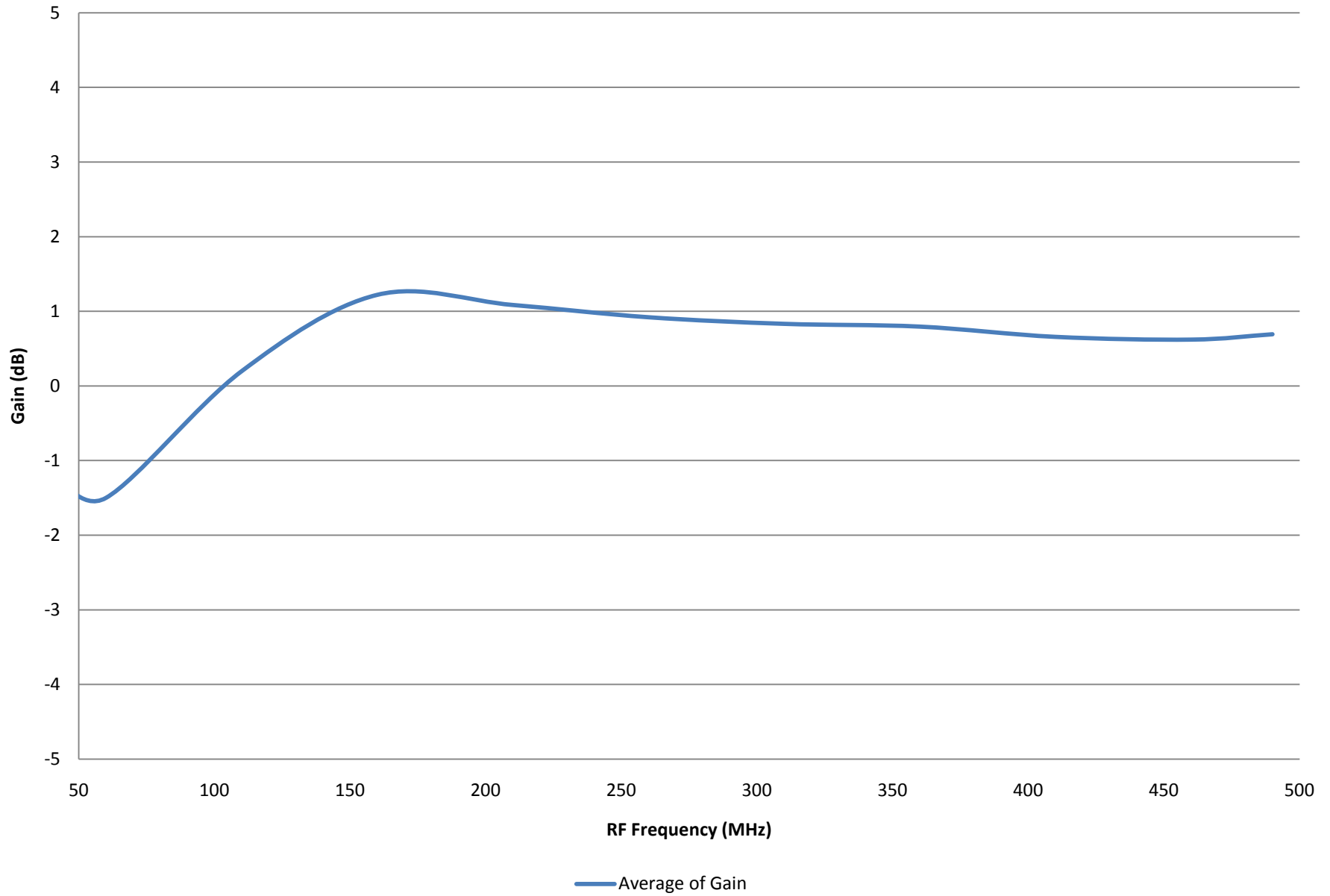


ADL5802 Low Frequency Operation

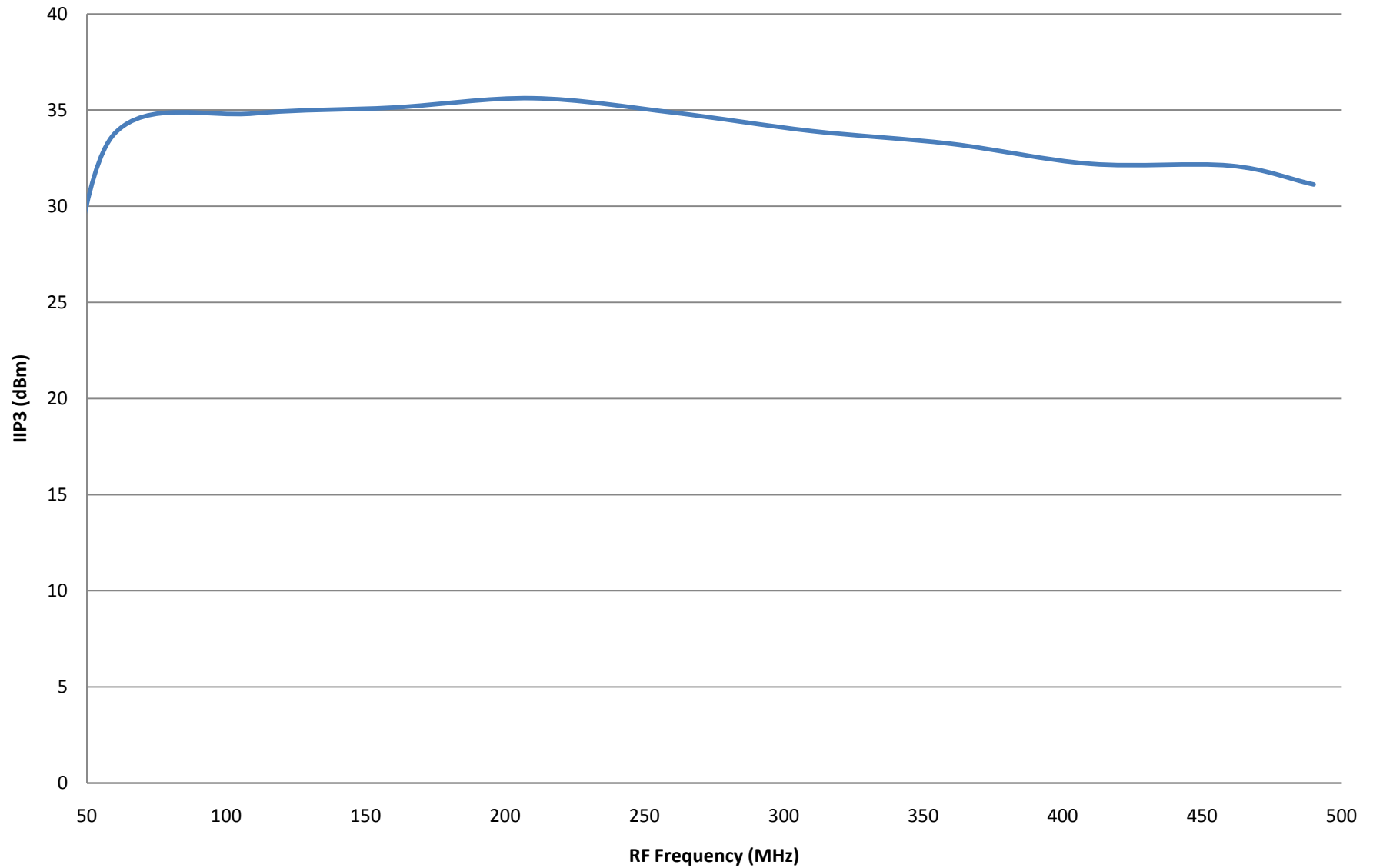
1. RX 900M/1900M Board Configuration used. Input Series caps on RF & LO Baluns changed to 1nF to reduce highpass effect and allow low frequency operation.
interference.

3. LSLO = Low Side LO, HSLO = High Side LO

ADL5802 Gain v RF Frequency, IF =10MHz, Low Side LO

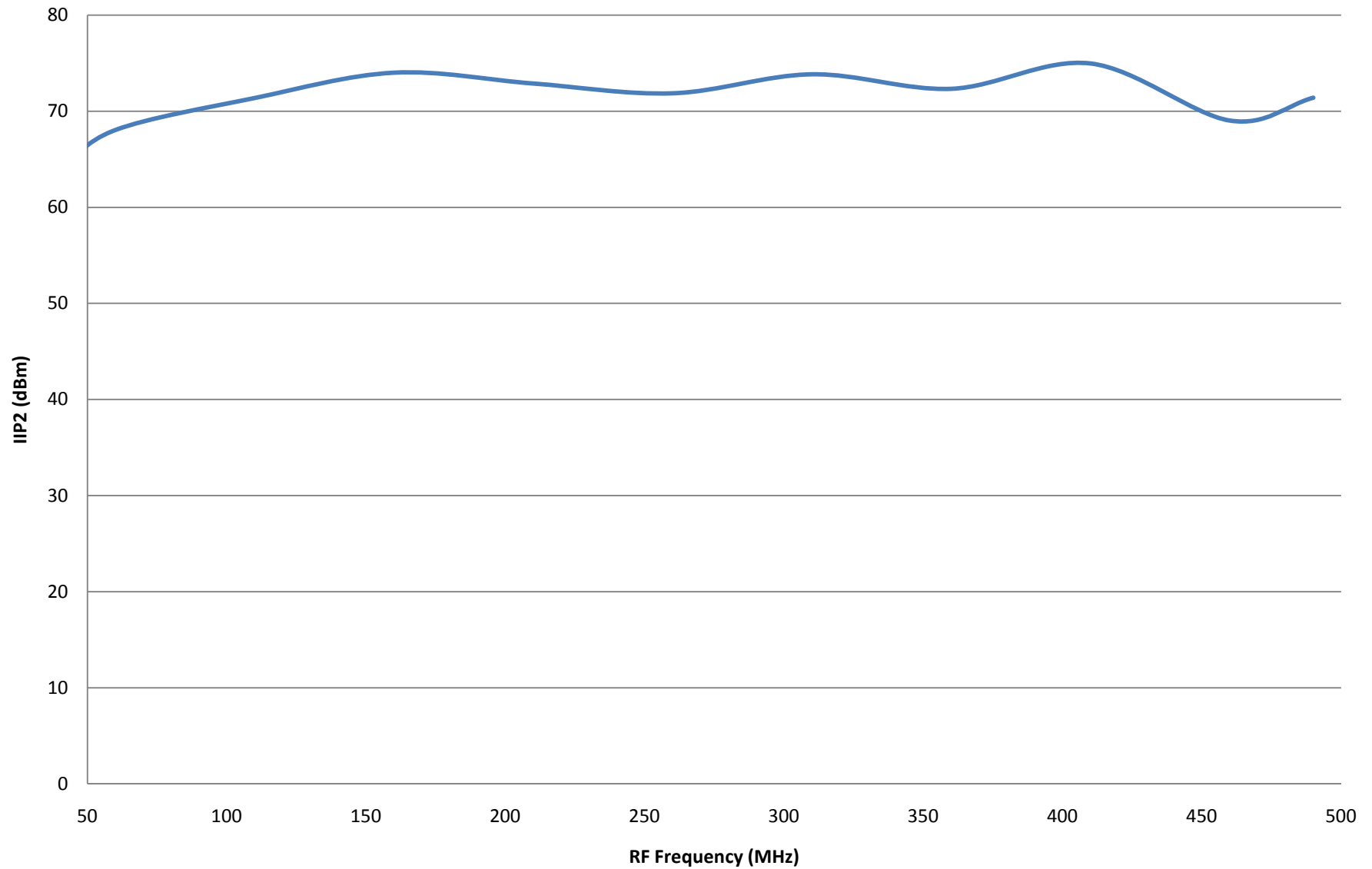


ADL5802 IIP3 v RF Frequency, IF =10MHz, Low Side LO



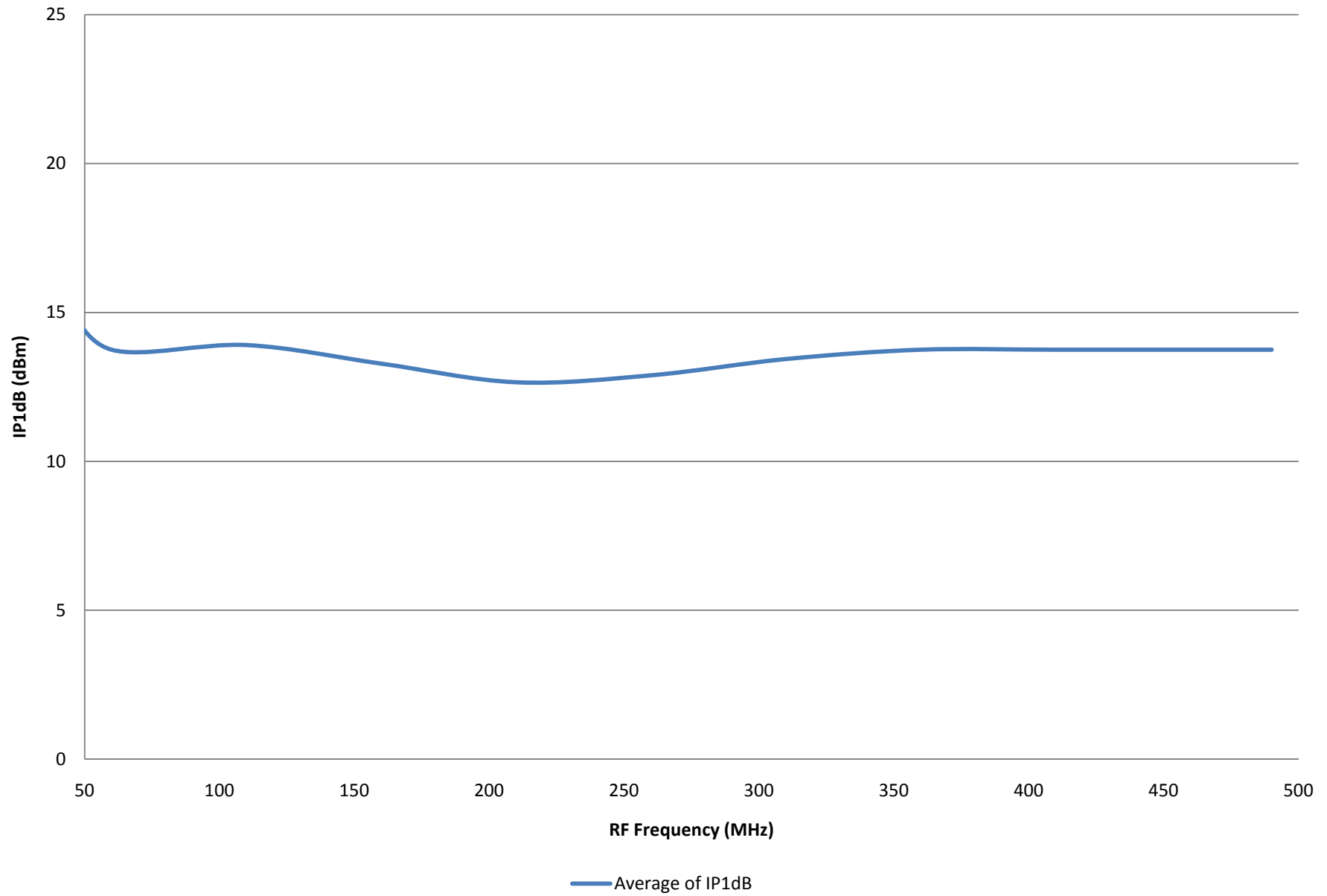
— Average of IIP3_L 21.30314922

ADL5802 IIP2 v RF Frequency, IF =10MHz, Low Side LO

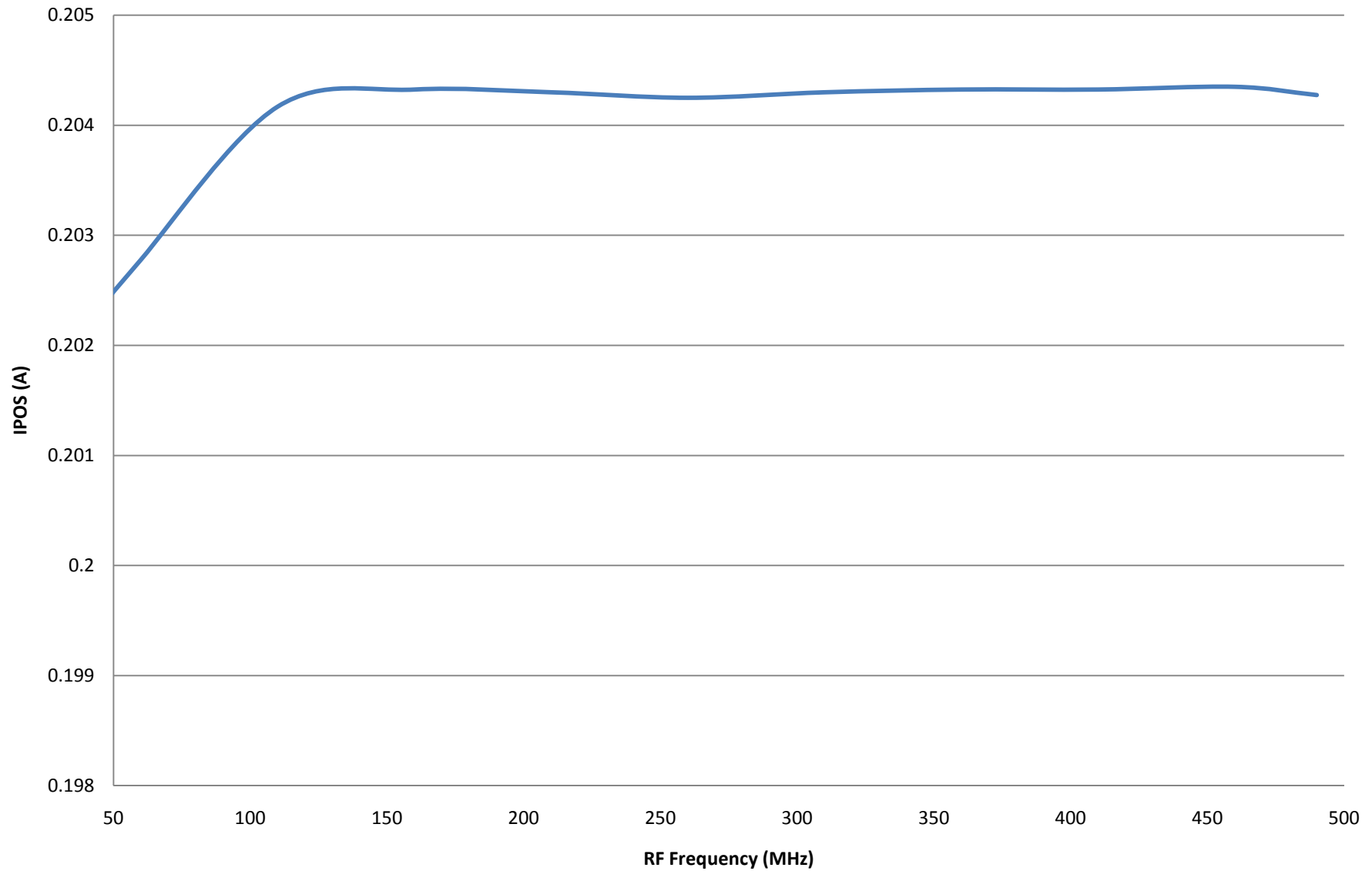


— Average of IIP2_L

ADL5802 P1dB v RF Frequency, IF =10MHz, Low Side LO

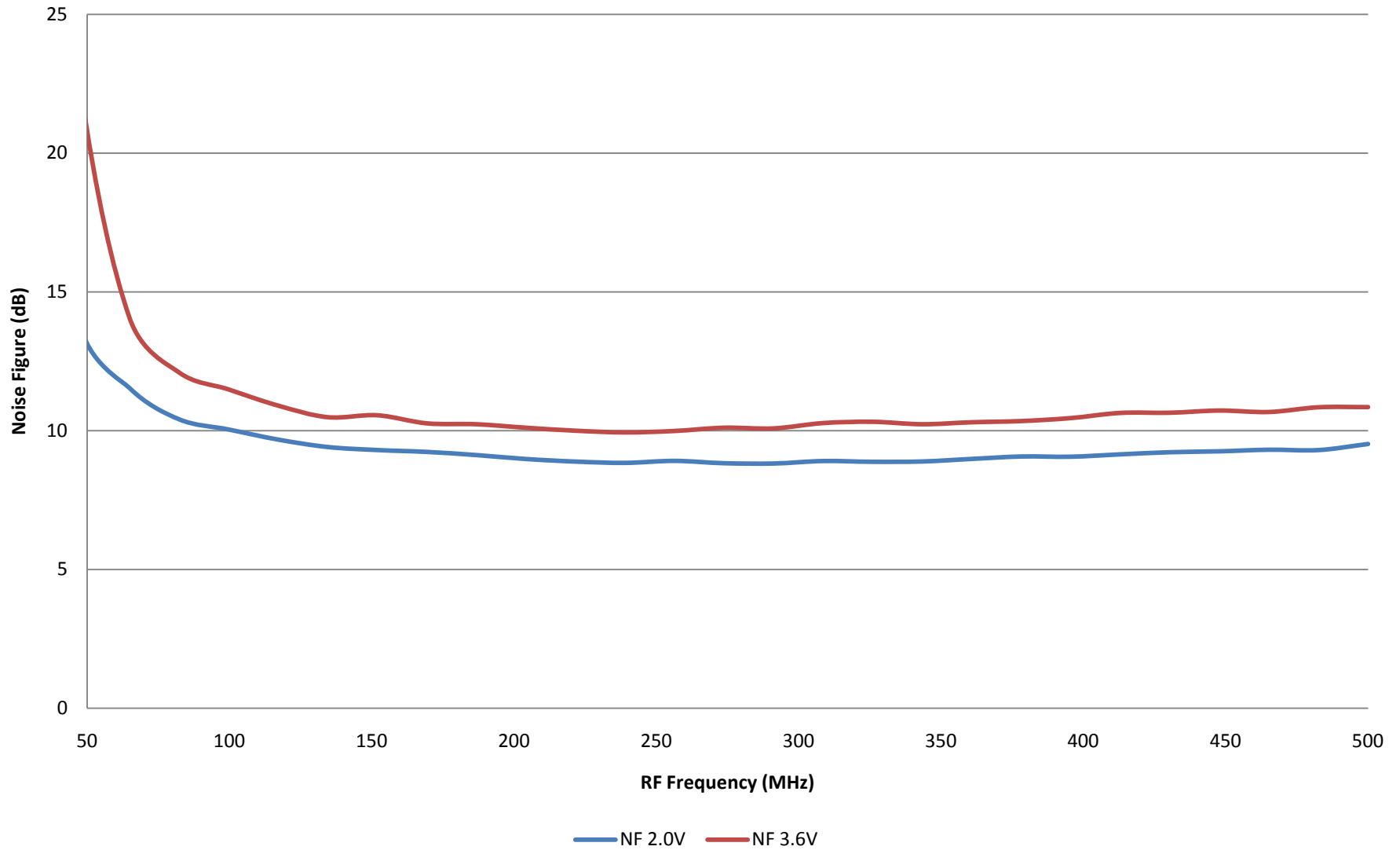


ADL5802 IPOS v RF Frequency, IF =10MHz, Low Side LO

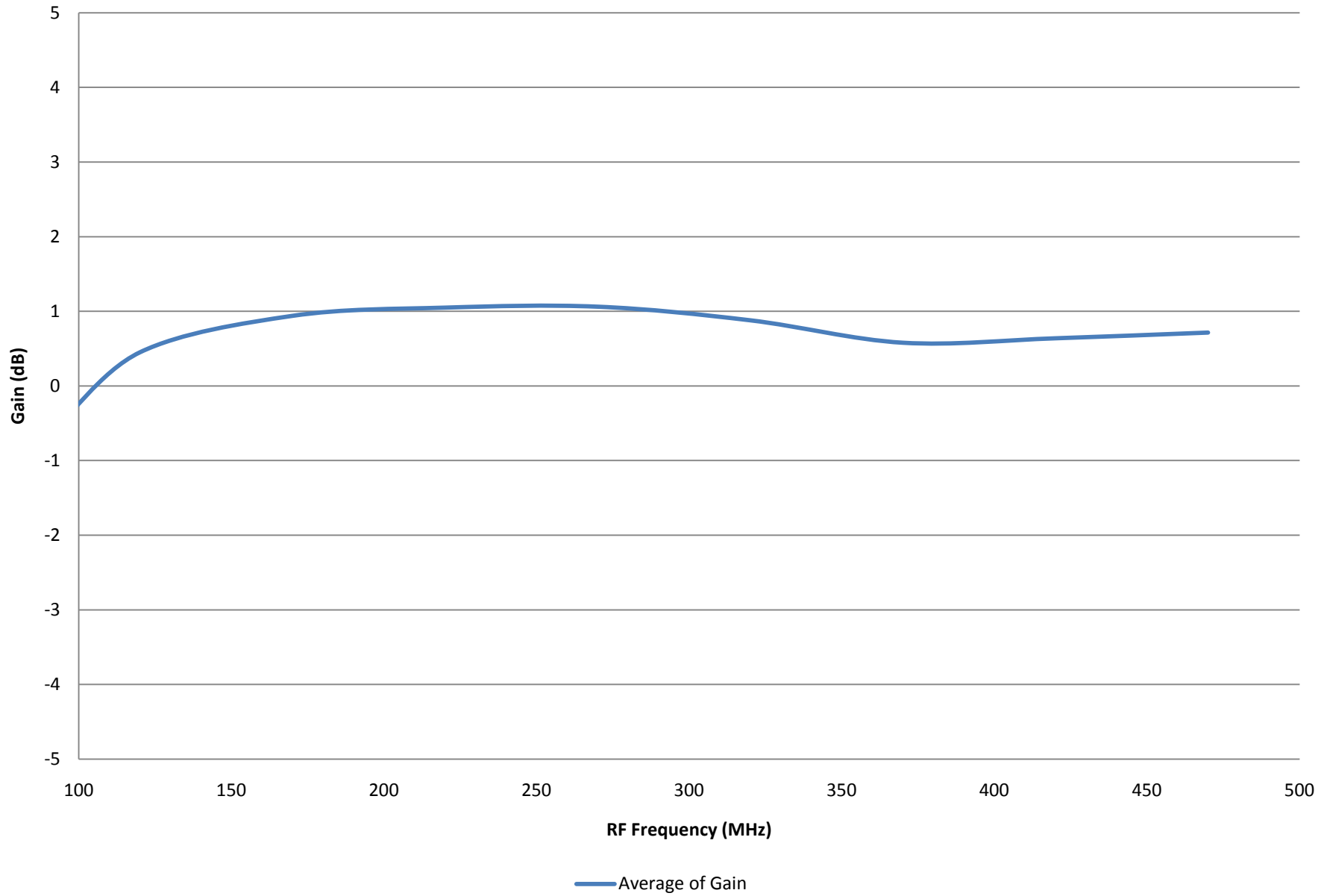


— Average of Curr_LO

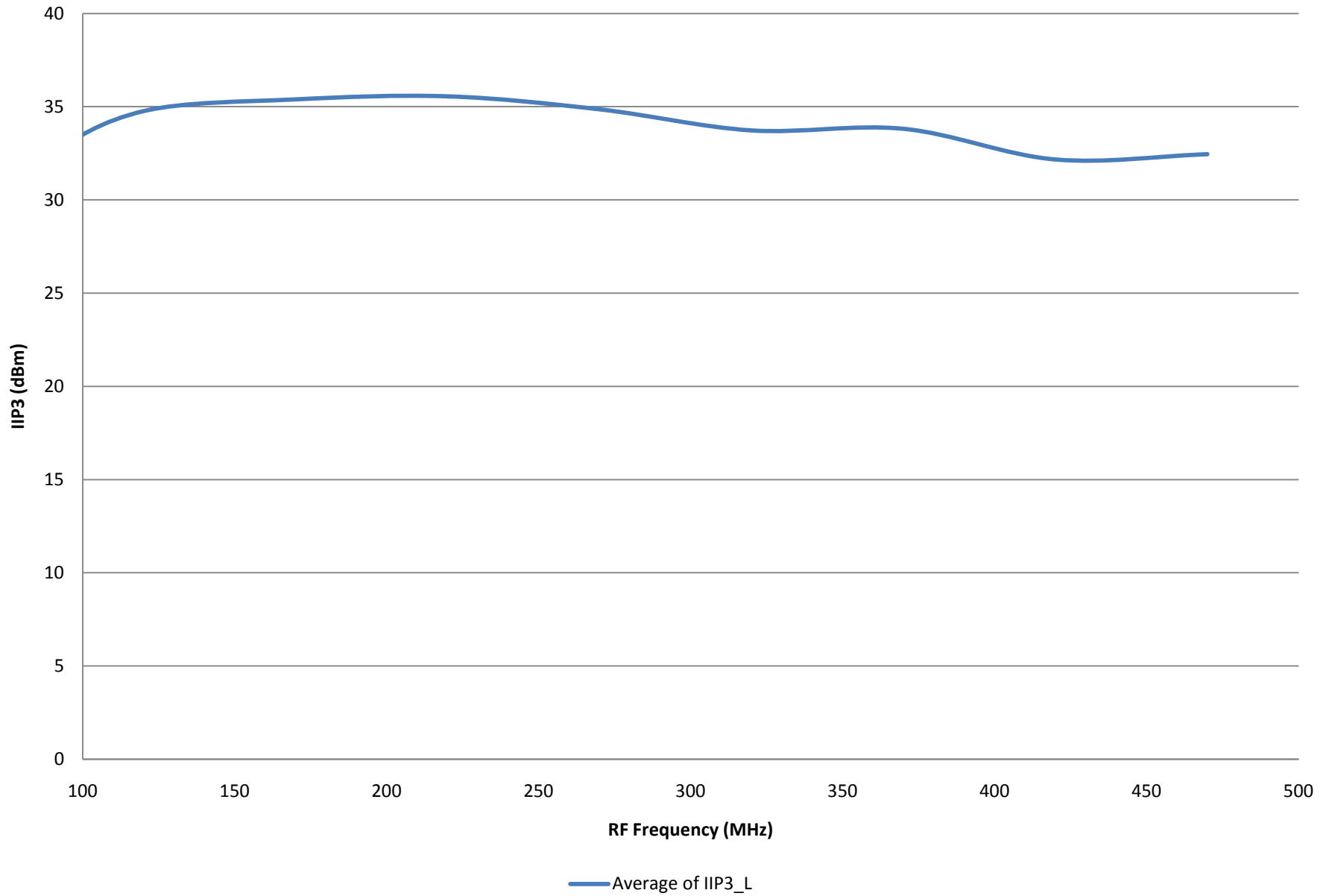
**ADL5802 Low Frequency Operation, Low side LO, 10MHz IF. Noise Figure
v RF Frequency, VSET = 2.0V & 3.6V.. Rise in NF near 50MHz artifact of
measurement as LOF & RFF approach IFF**



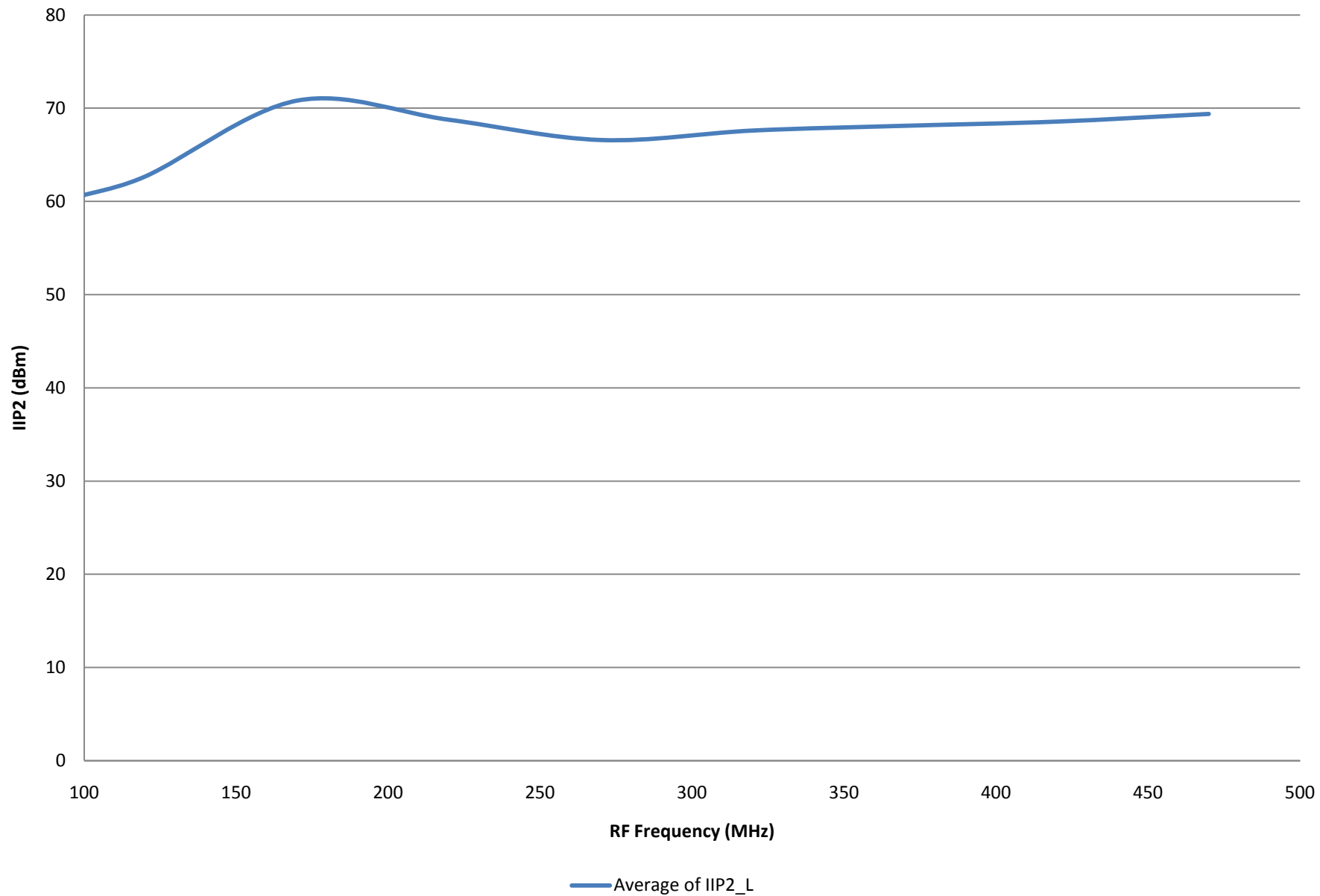
ADL5802 Gain v RF Frequency, IF =70MHz, Low Side LO



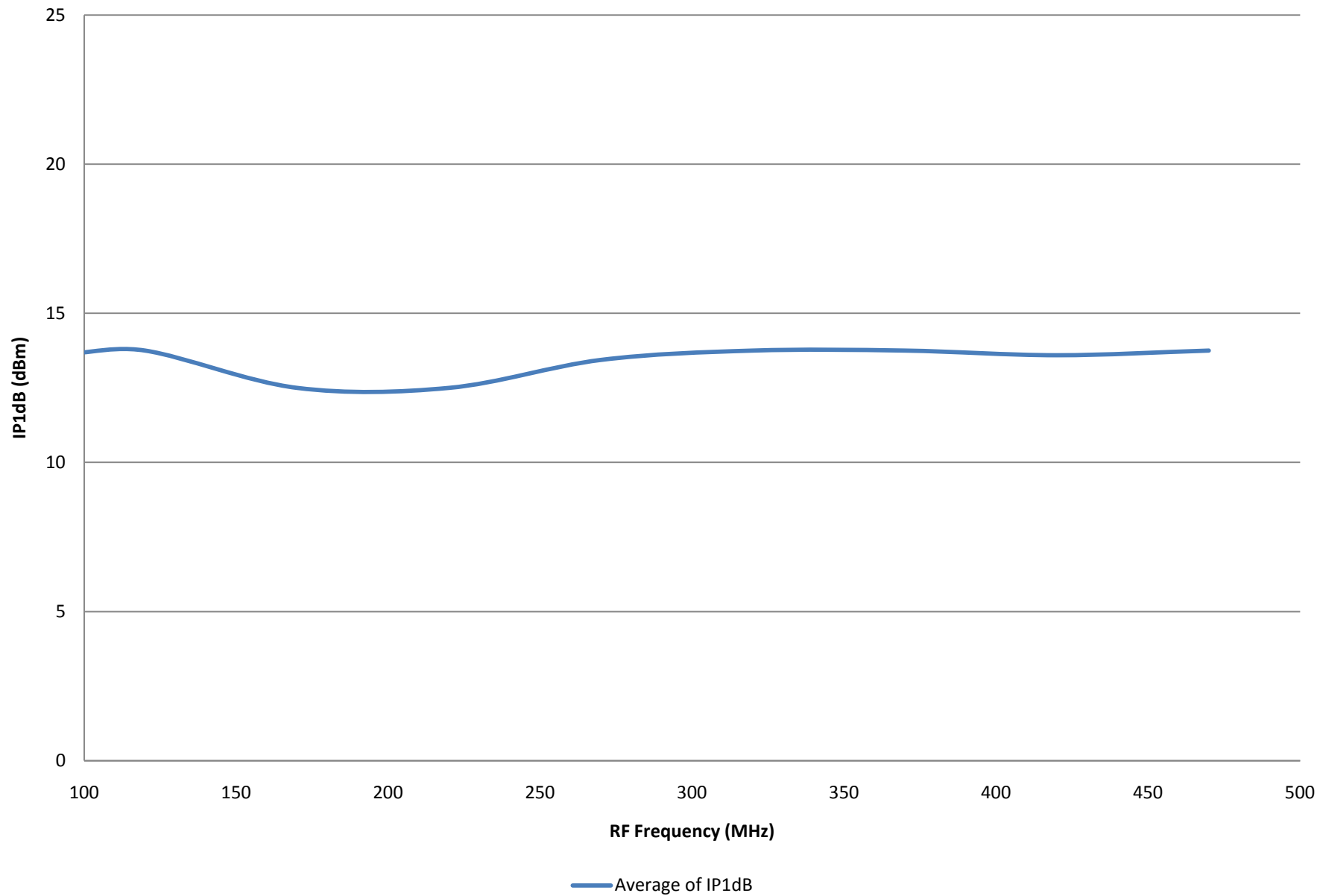
ADL5802 IIP3 v RF Frequency, IF =70MHz, Low Side LO



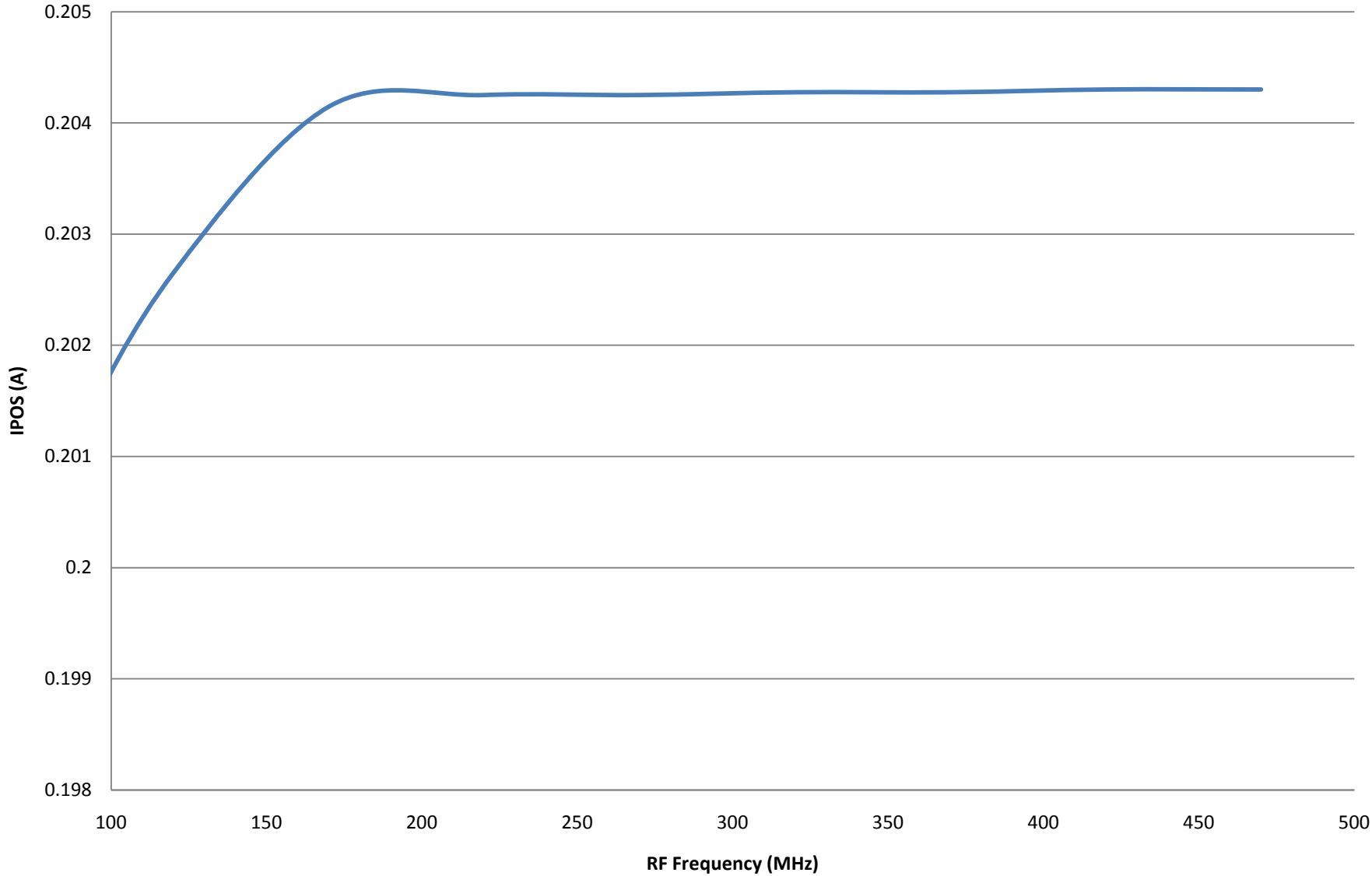
ADL5802 IIP2 v RF Frequency, IF =70MHz, Low Side LO



ADL5802 P1dB v RF Frequency, IF =70MHz, Low Side LO

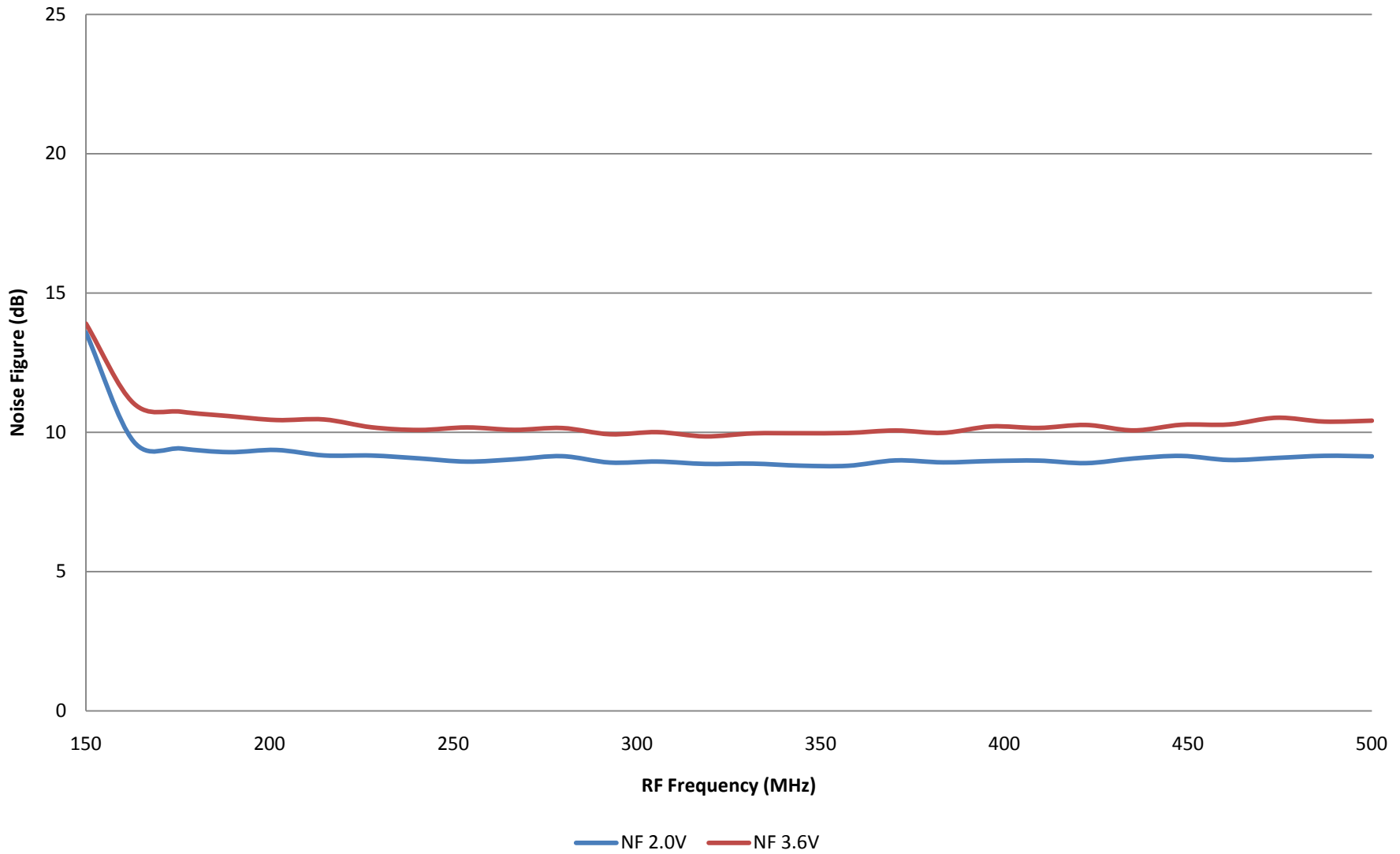


ADL5802 IPOS v RF Frequency, IF =70MHz, Low Side LO

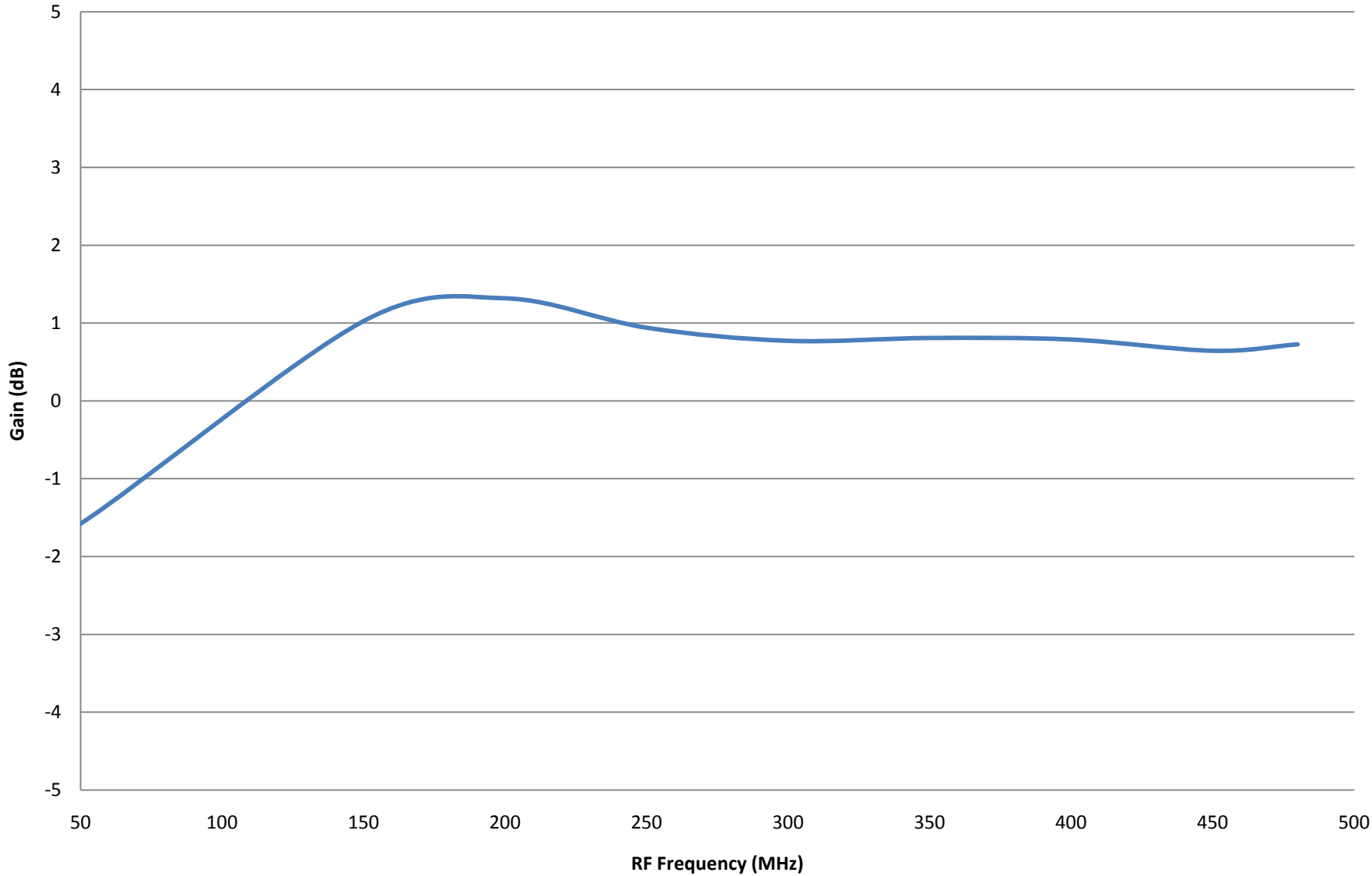


— Average of Curr_LO

**ADL5802 Low Frequency Operation, Low side LO, 70MHz IF. Noise Figure
v RF Frequency, VSET = 2.0V & 3.6V.. Rise in NF near 50MHz artifact of
measurement as LOF & RFF approach IFF**

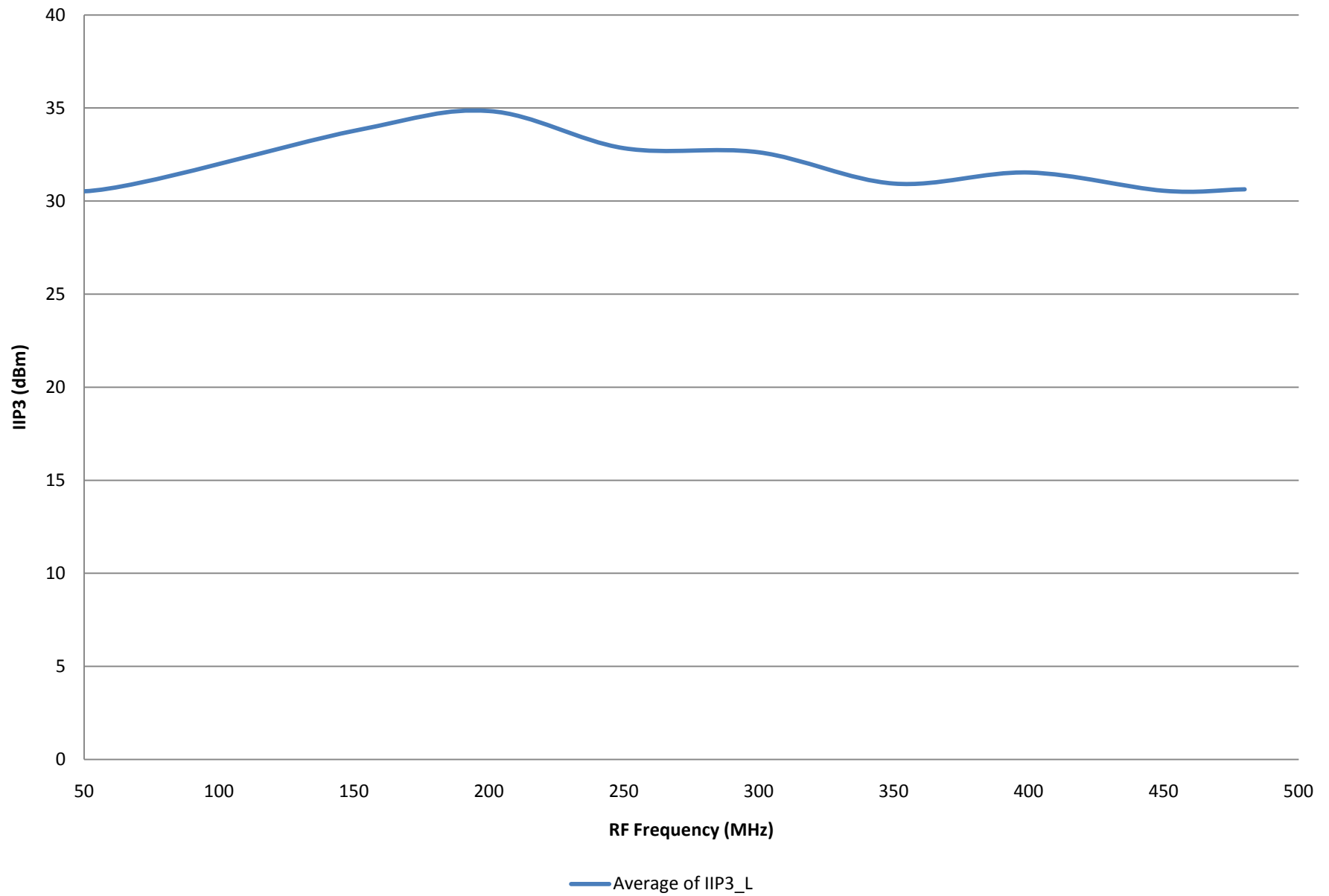


ADL5802 Gain v RF Frequency, IF =10MHz, High Side LO

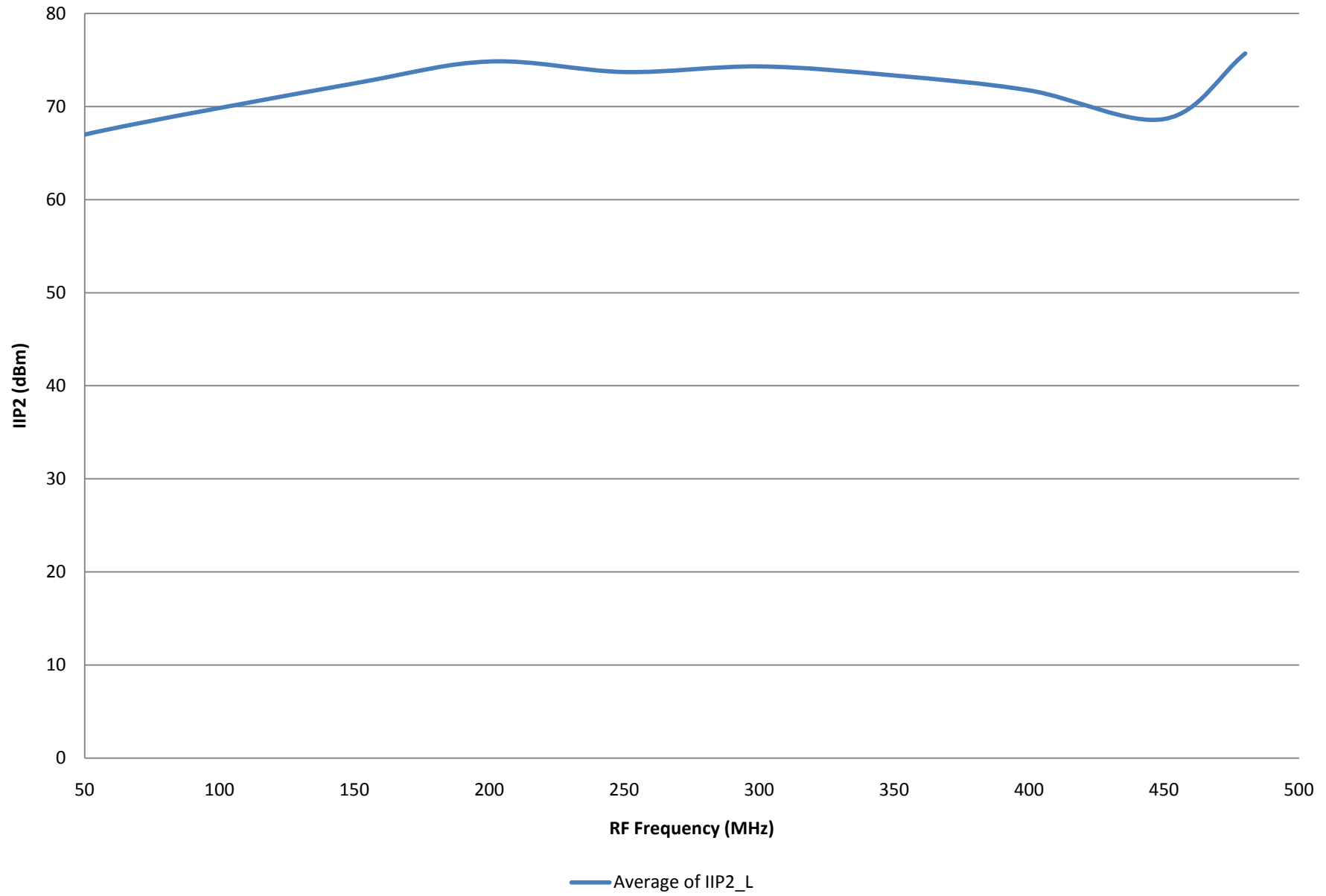


— Average of Gain

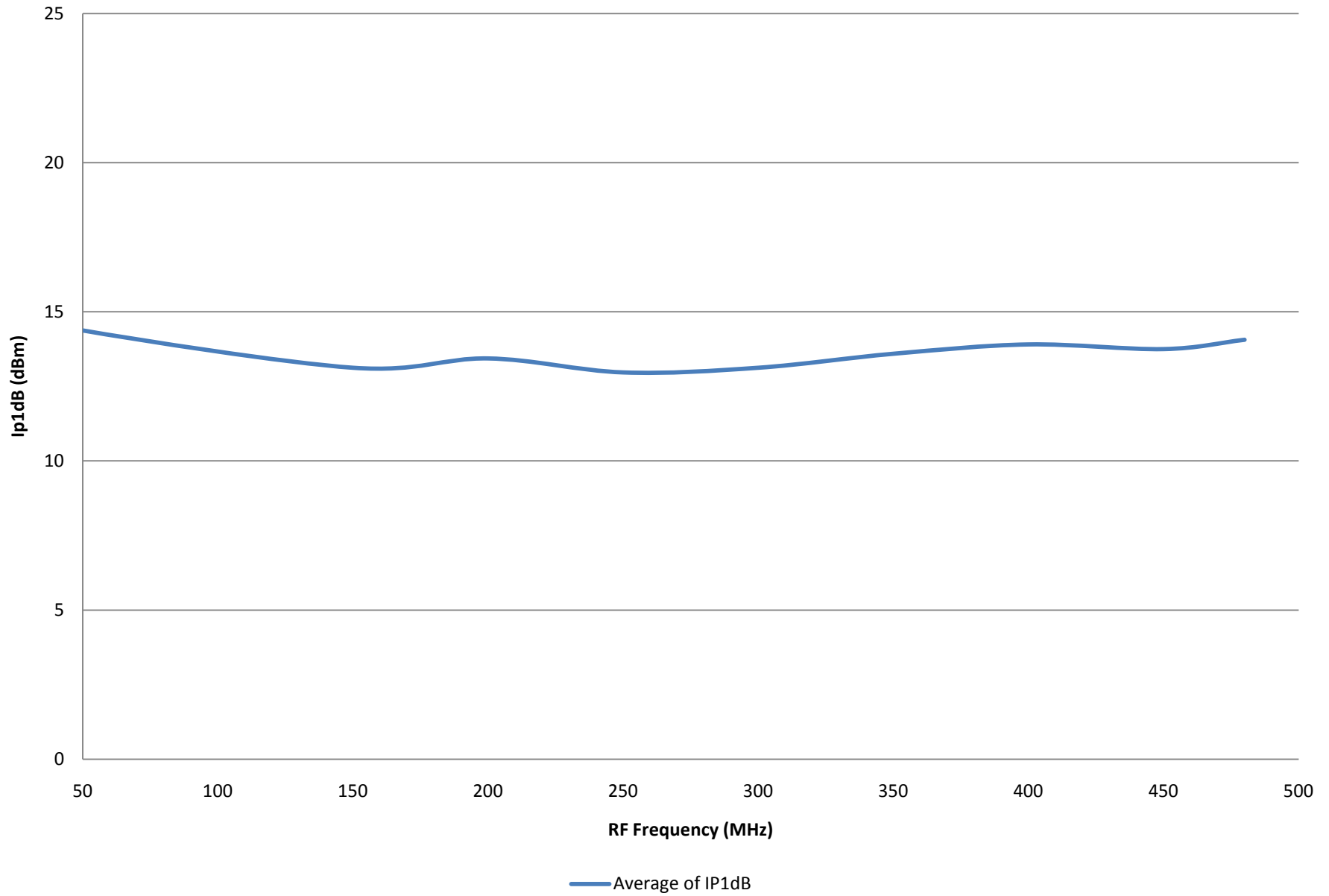
ADL5802 IIP3 v RF Frequency, IF =10MHz, High Side LO



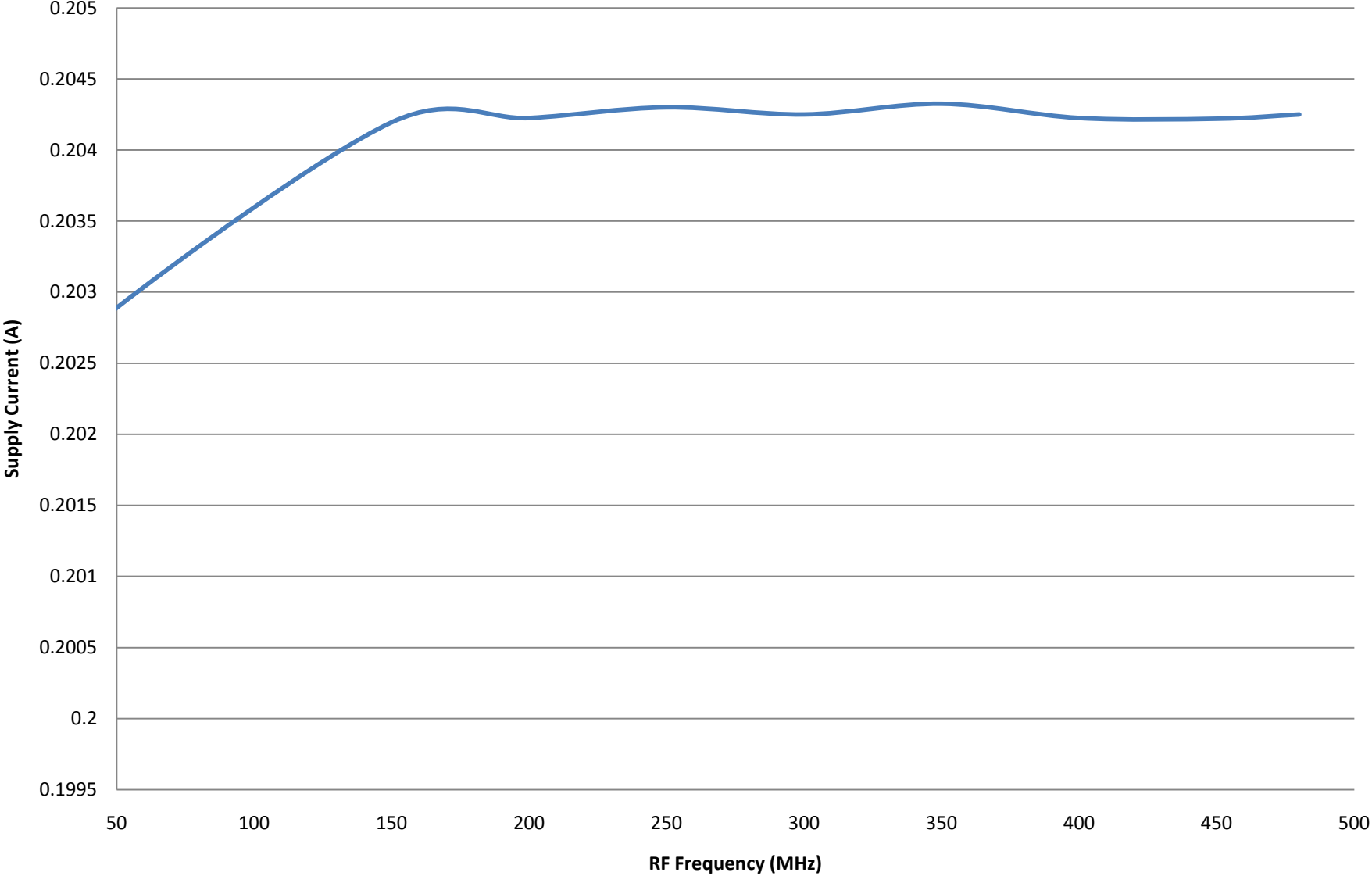
ADL5802 IIP2 v RF Frequency, IF =10MHz, High Side LO



ADL5802 P1dB v RF Frequency, IF =10MHz, High Side LO

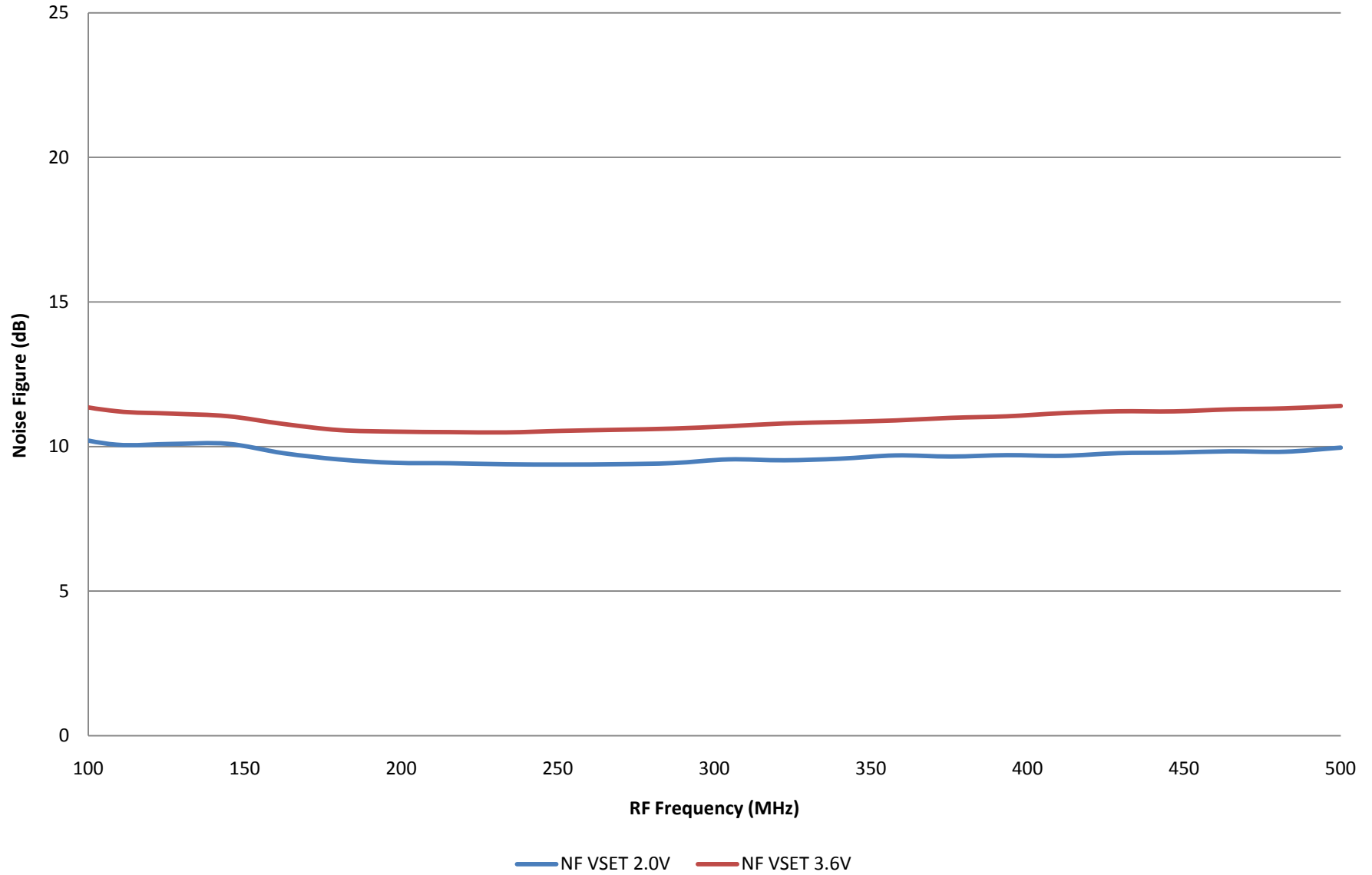


ADL5802 IPOS v RF Frequency, IF =10MHz, High Side LO

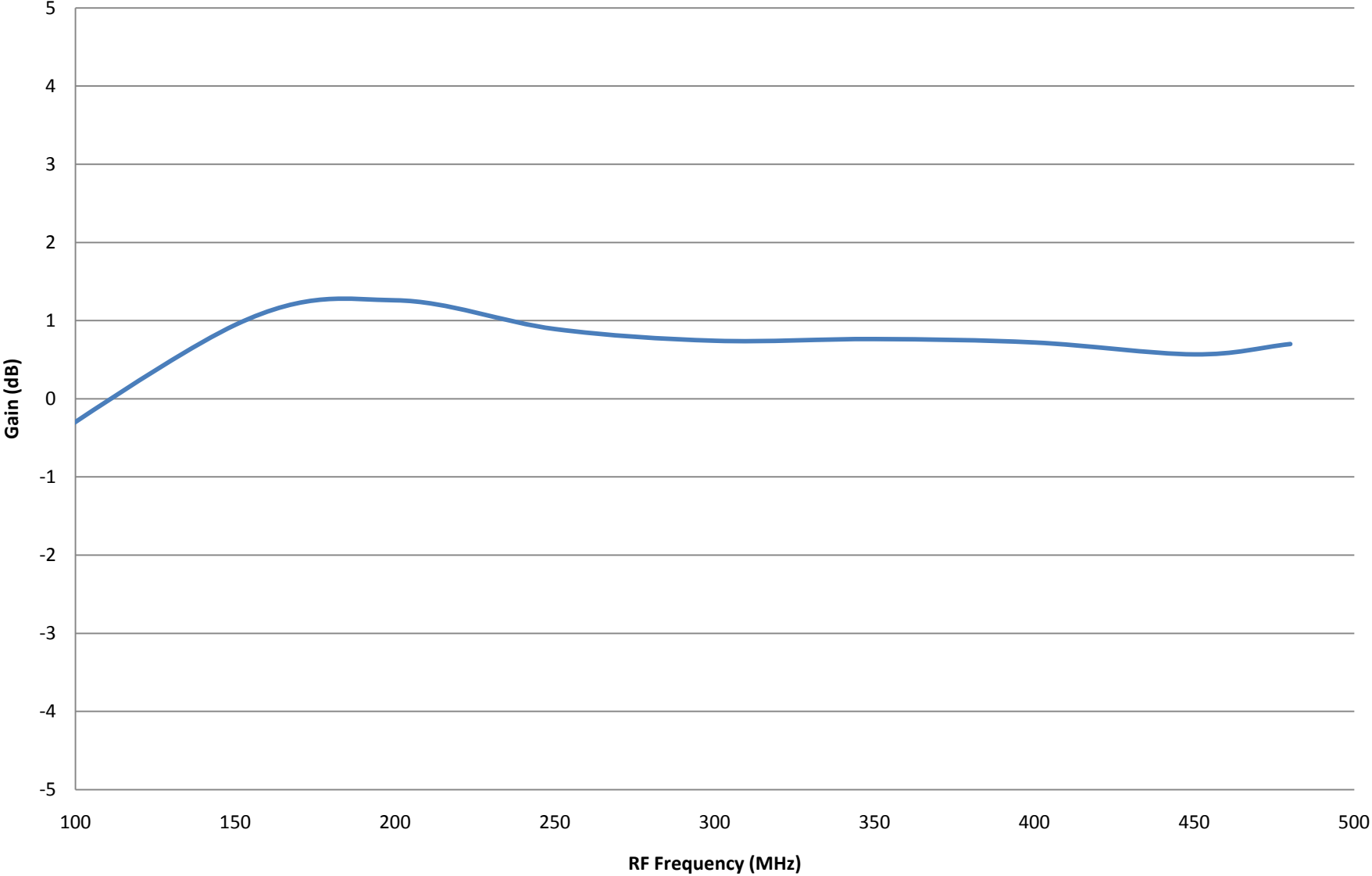


— Average of Curr_LO

**ADL5802 Low Frequency Operation, High side LO, 10MHz IF. Noise
Figure v RF Frequency, VSET = 2.0V & 3.6V**

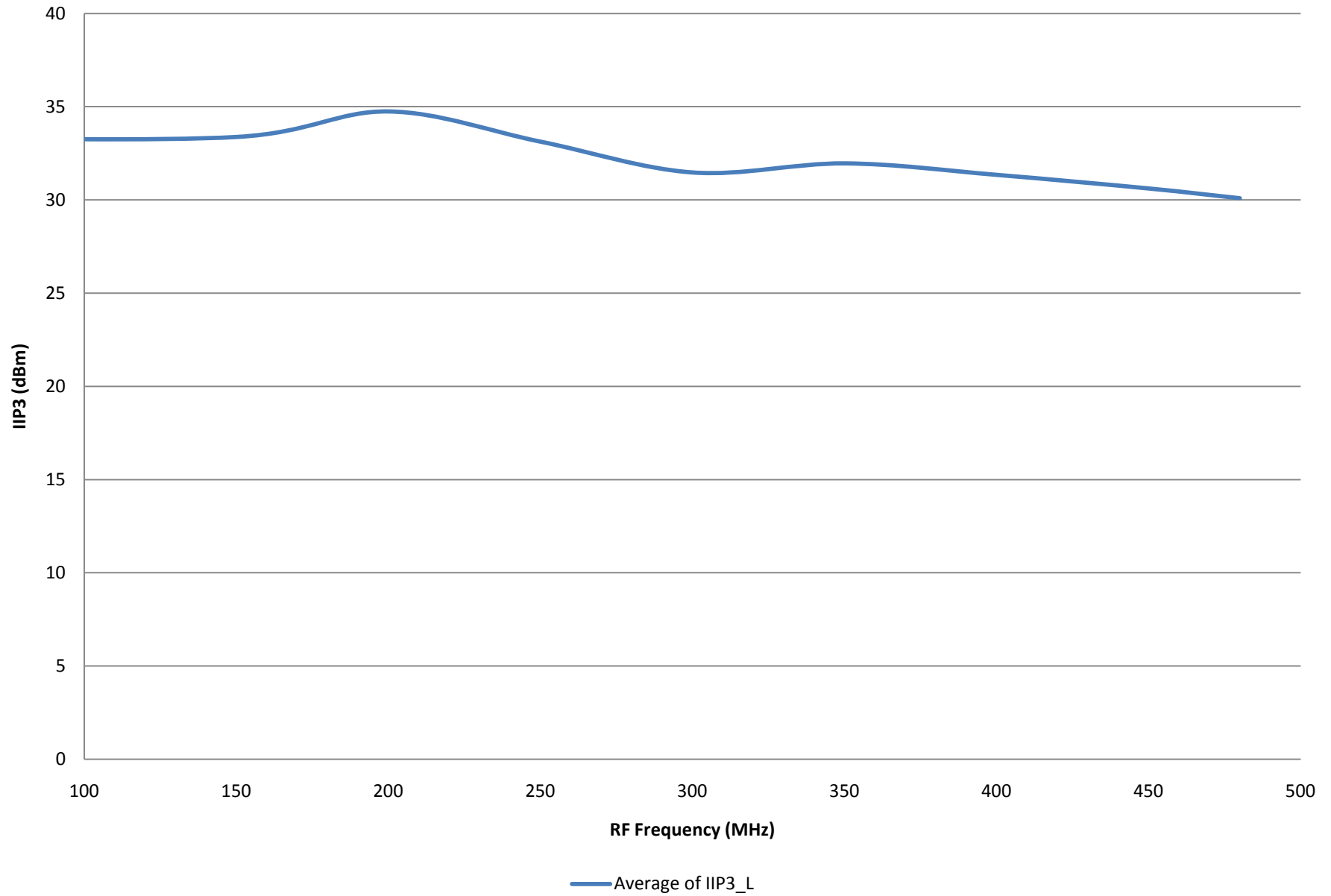


ADL5802 Gain v RF Frequency, IF =70MHz, High Side LO

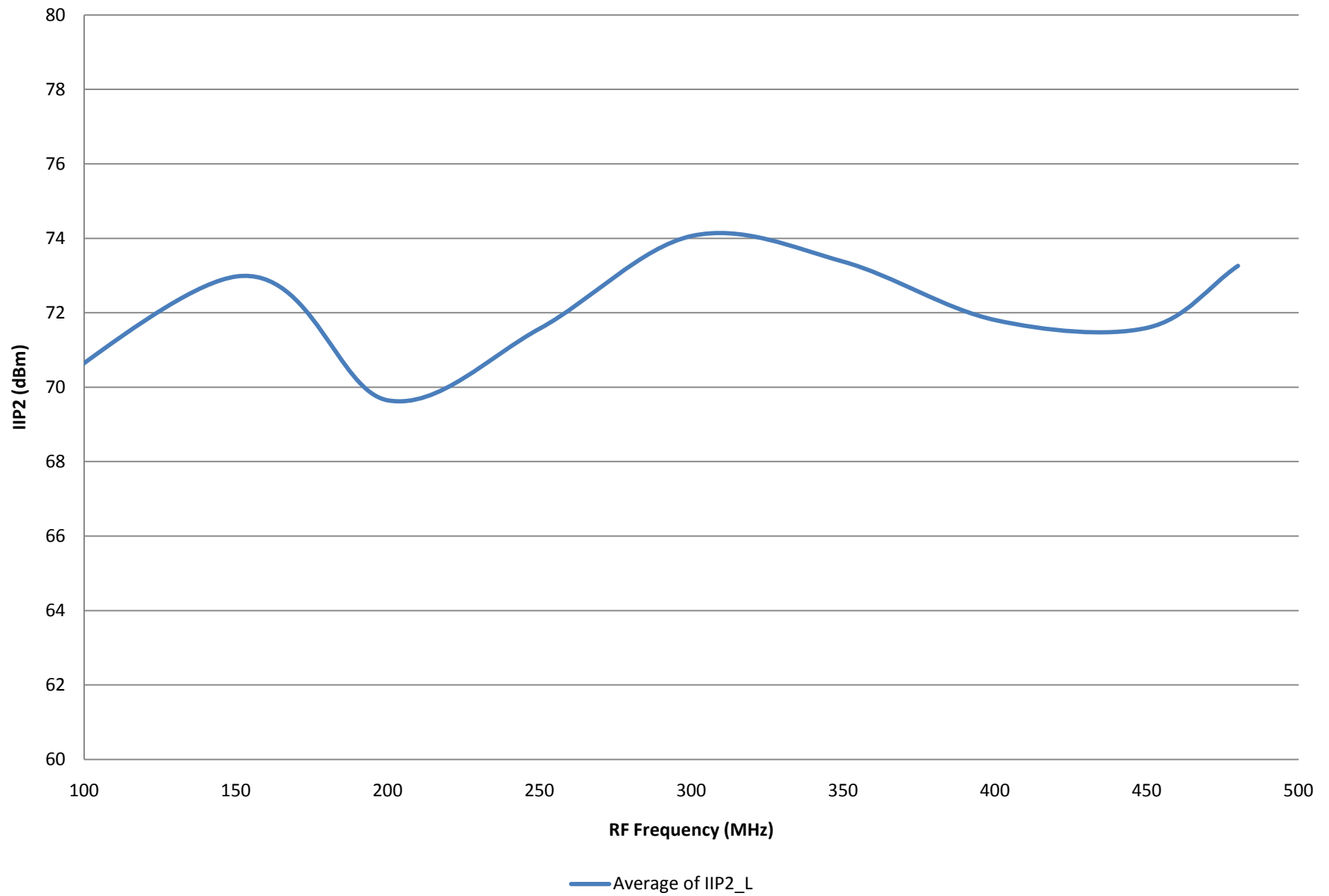


— Average of Gain

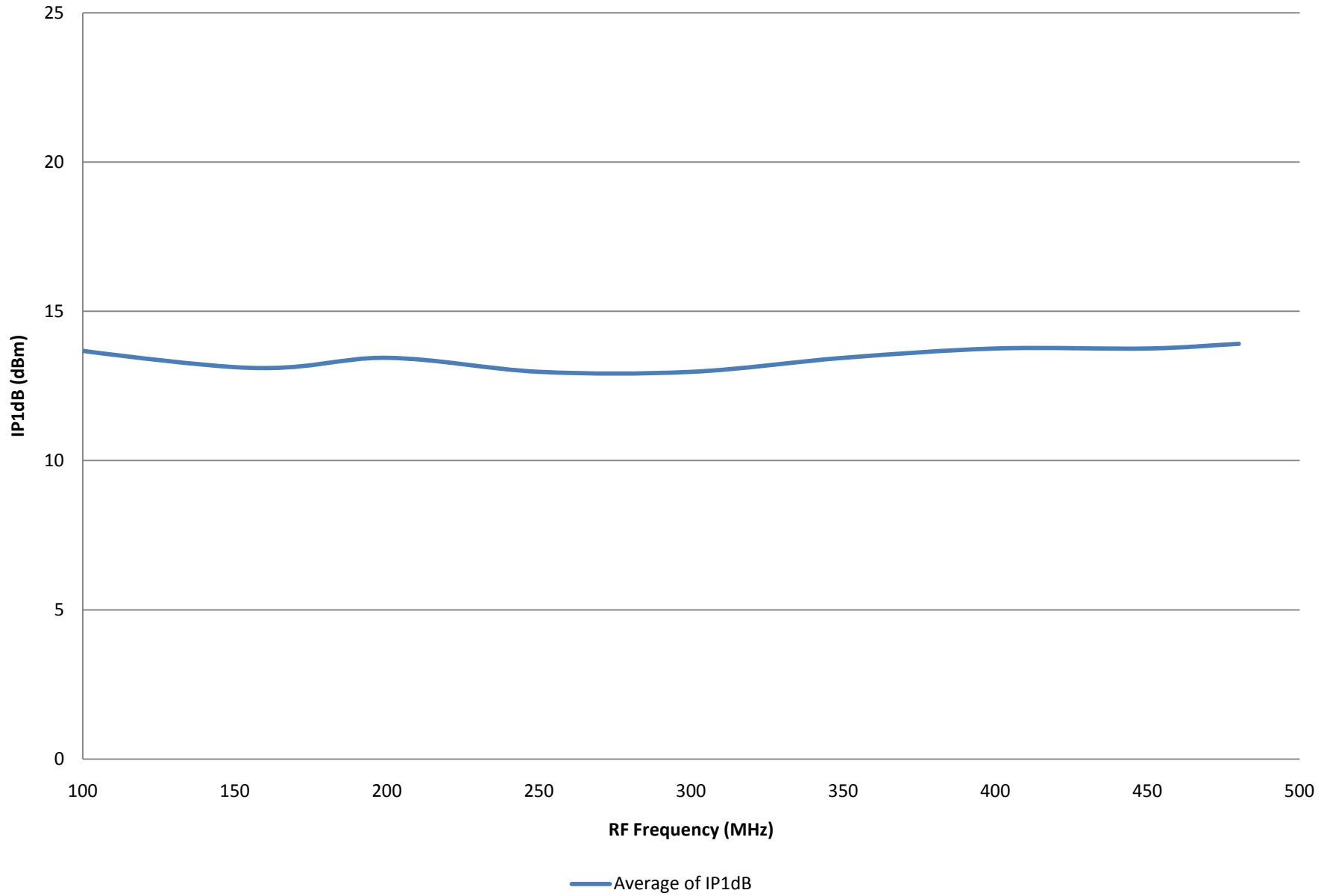
ADL5802 IIP3 v RF Frequency, IF =70MHz, High Side LO



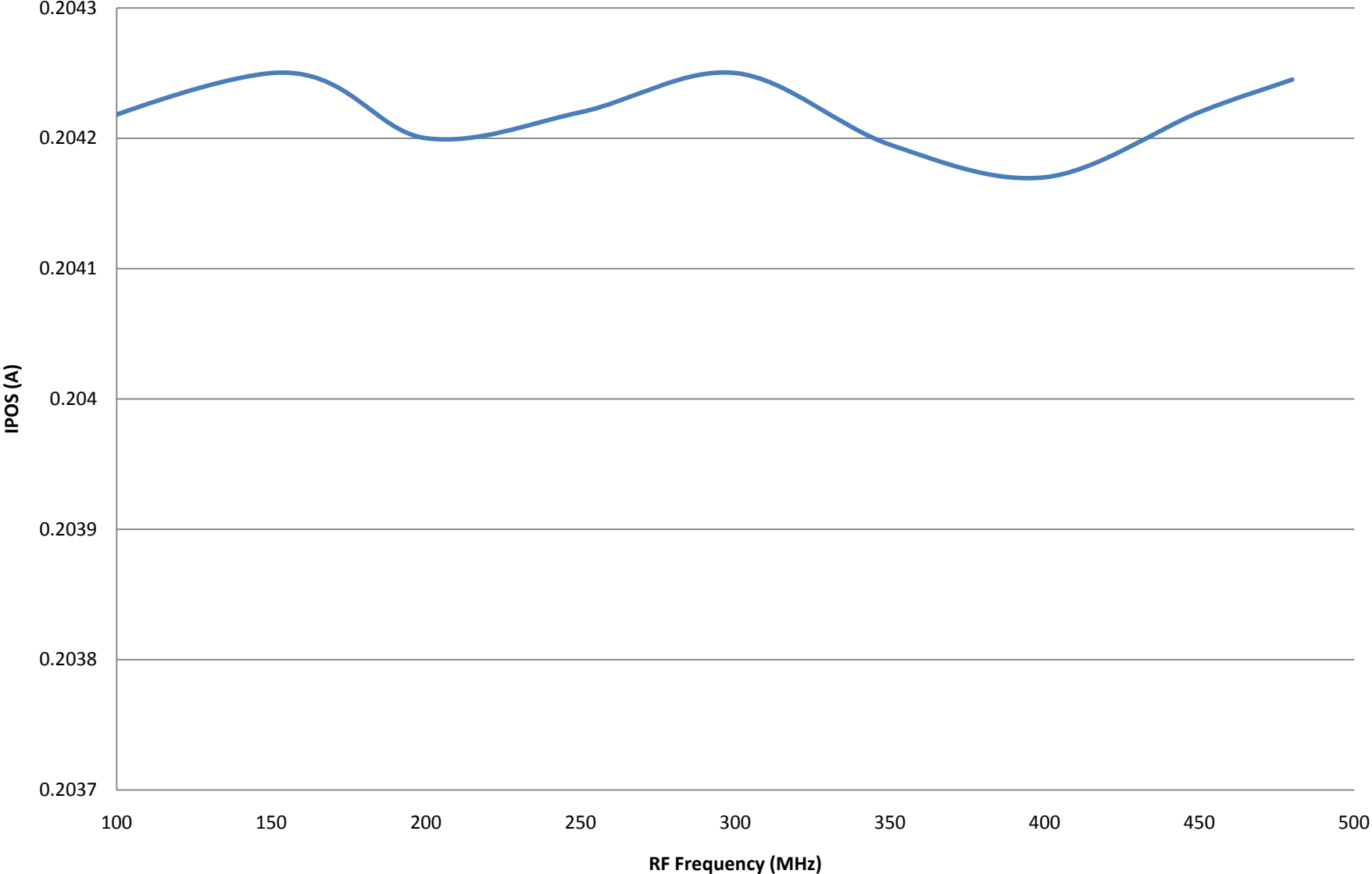
ADL5802 IIP2 v RF Frequency, IF =70MHz, High Side LO



ADL5802 IP1dB v RF Frequency, IF =70MHz, High Side LO



ADL5802 IPOS v RF Frequency, IF =70MHz, High Side LO



— Average of Curr_LO

**ADL5802 Low Frequency Operation, High side LO, 70MHz IF. Noise
Figure v RF Frequency, VSET = 2.0V & 3.6V**

