

Figure 11. AC FFT for channel 2 (AIN2) using on-board isolated power, a 1V to 5V 1kHz sine wave input signal, high-impedance input, a 20ksps sample rate, and a Blackman-Harris window.

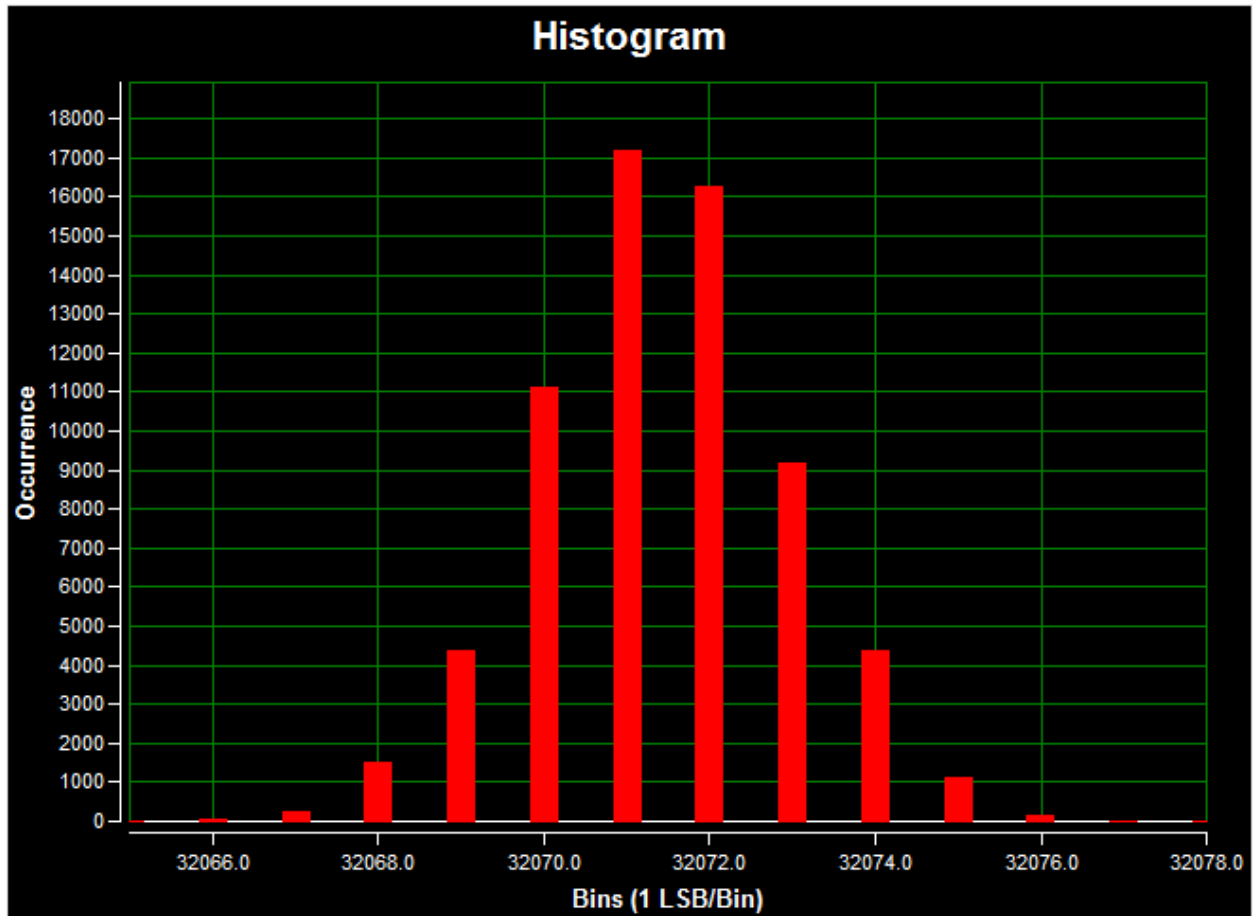


Figure 12. DC histogram for channel 2 (AIN2) using on-board isolated power; a 3V input signal; high-impedance input; a 20ksps sample rate; 65,536 samples; a code spread of 14 LSBs with 95.26% of the codes falling within the six center LSBs; and a standard deviation of 1.515.

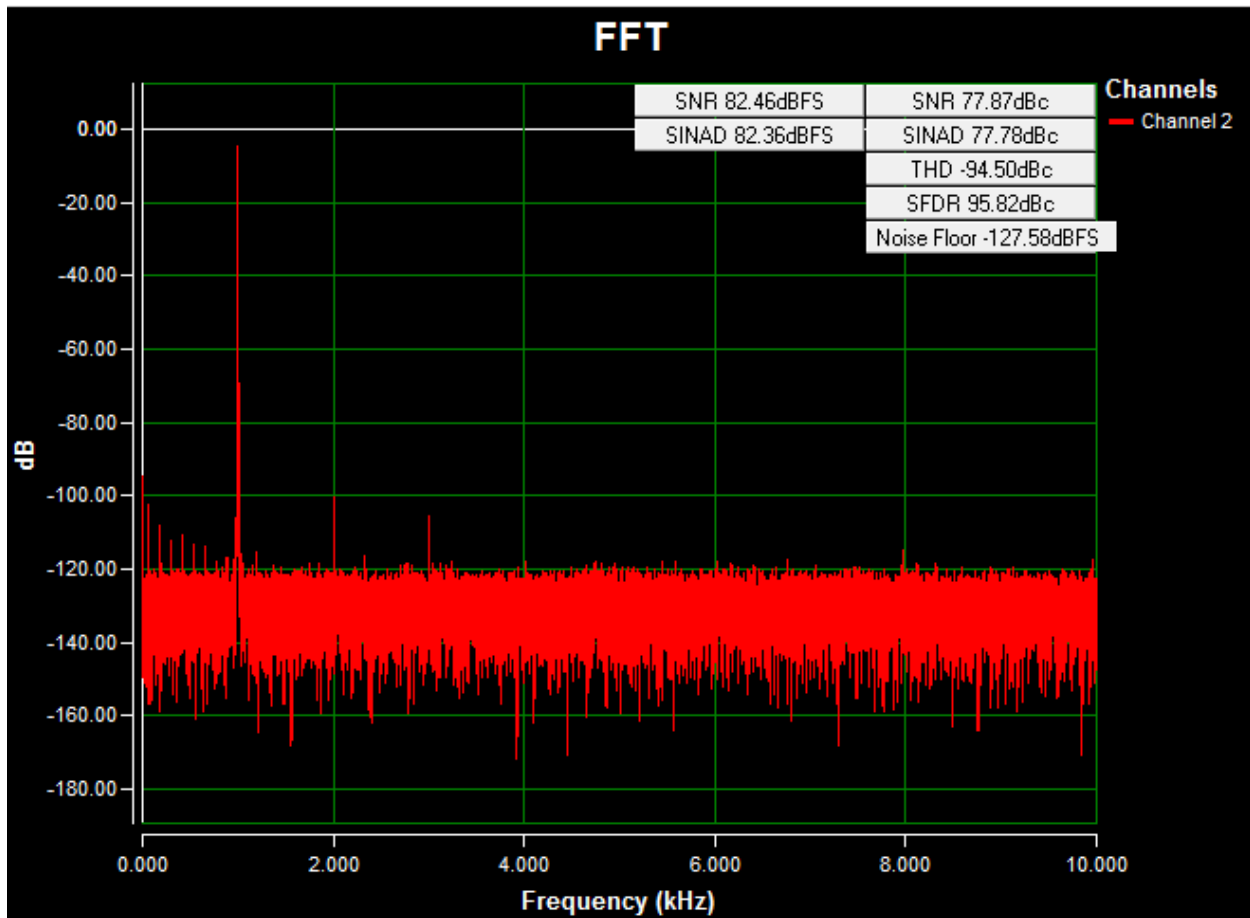


Figure 13. AC FFT for channel 2 (AIN2) using external power, a 1V to 5V 1kHz sine wave input signal, high-impedance input, a 20ksps sample rate, and a Blackman-Harris window.

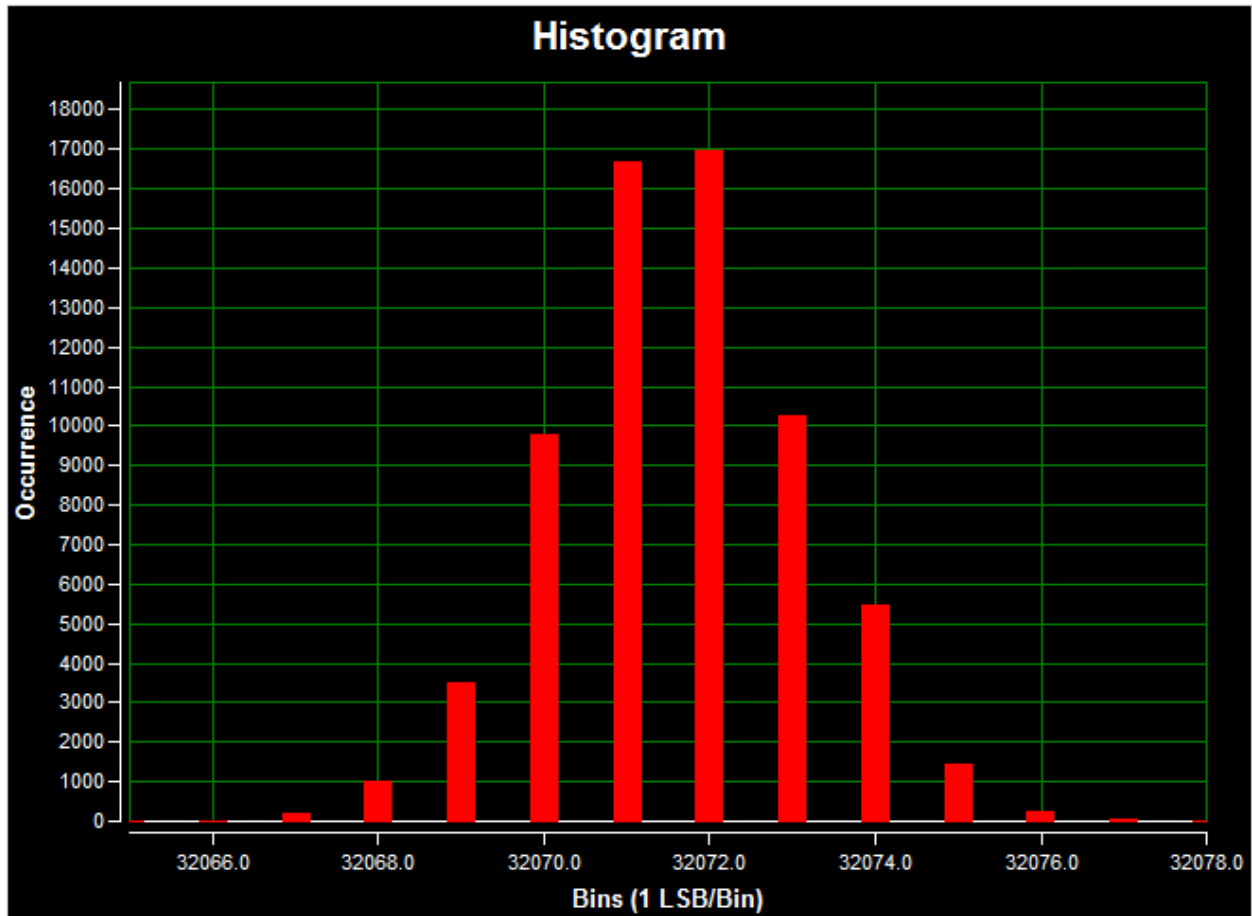


Figure 14. DC histogram for channel 2 (AIN2) using external power; a 3V input signal; high-impedance input; a 20ksps sample rate; 65,536 samples; a code spread of 14 LSBs with 95.52% of the codes falling within the six center LSBs; and a standard deviation of 1.506.