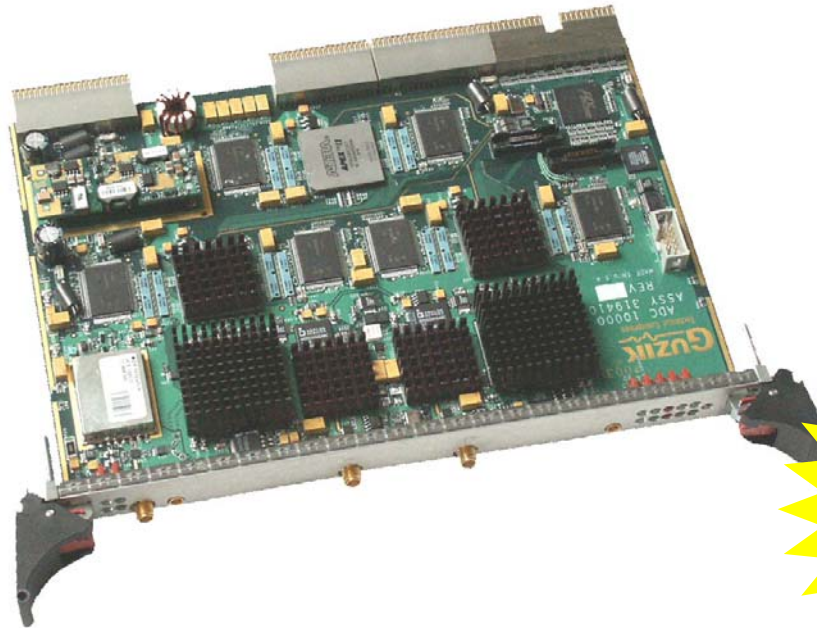


GUZIK PRODUCT BULLETIN

Data Acquisition Module ADC-10000



Preliminary

- **One channel with 10 Gs/sec sampling rate (per module)**
- **Two channels with 5 Gs/sec sampling rate (per module)**
- **20 Gs/sec sampling rate with two modules**
- **5 GHz analog bandwidth (typical)**
- **8 Bit resolution**
- **Internal self-calibration**
- **High speed data interface up to 160 Gbit/sec to memory and 80 Gbit/sec to data processor**

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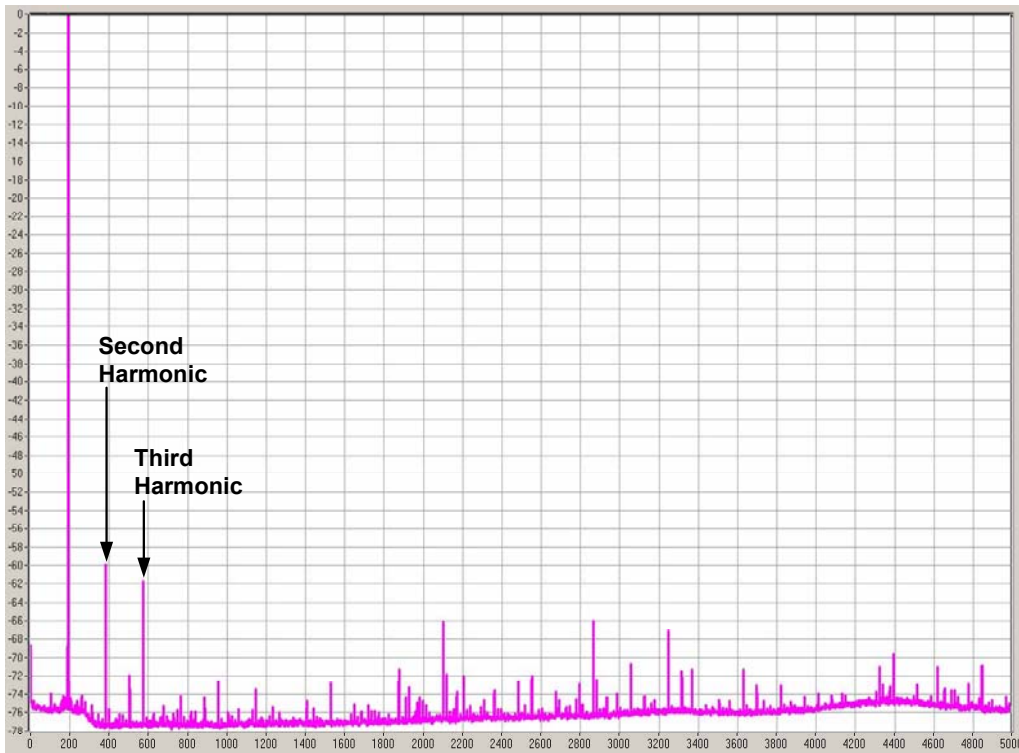


Figure 1: ADC-10000 Output Signal Spectrum (FFT) for Input Frequency $f = 190.983$ MHz and Sampling Clock $f_c = 10000$ MHz

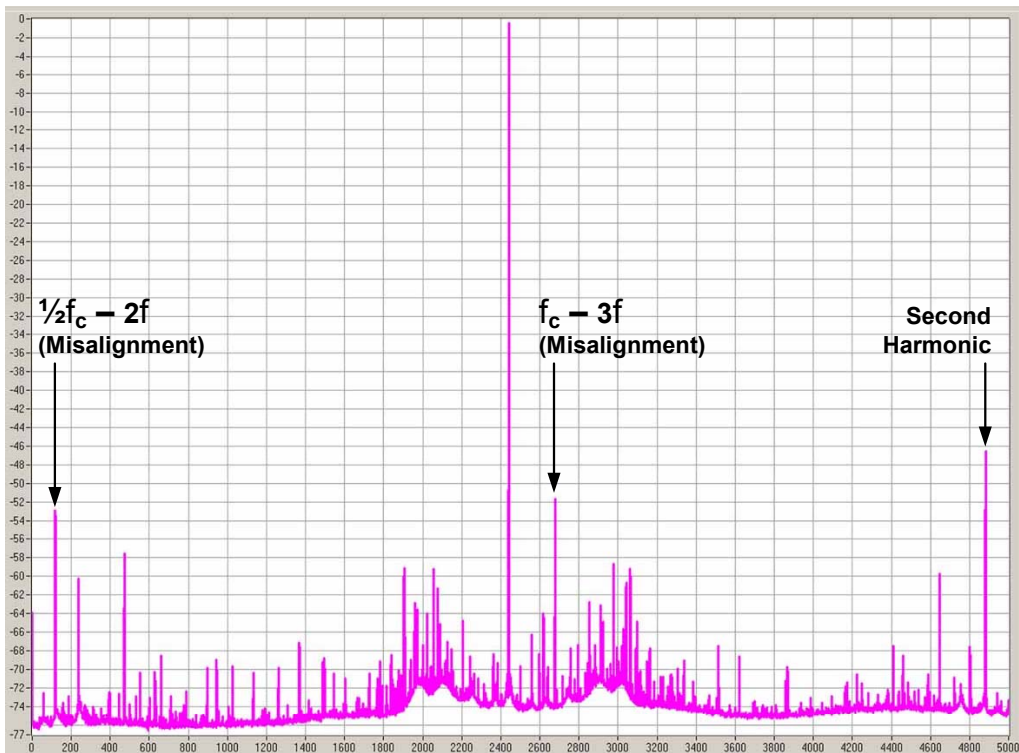


Figure 2: ADC-10000 Output Signal Spectrum (FFT) for Input Frequency $f = 2440.983$ MHz and Sampling Clock $f_c = 10000$ MHz

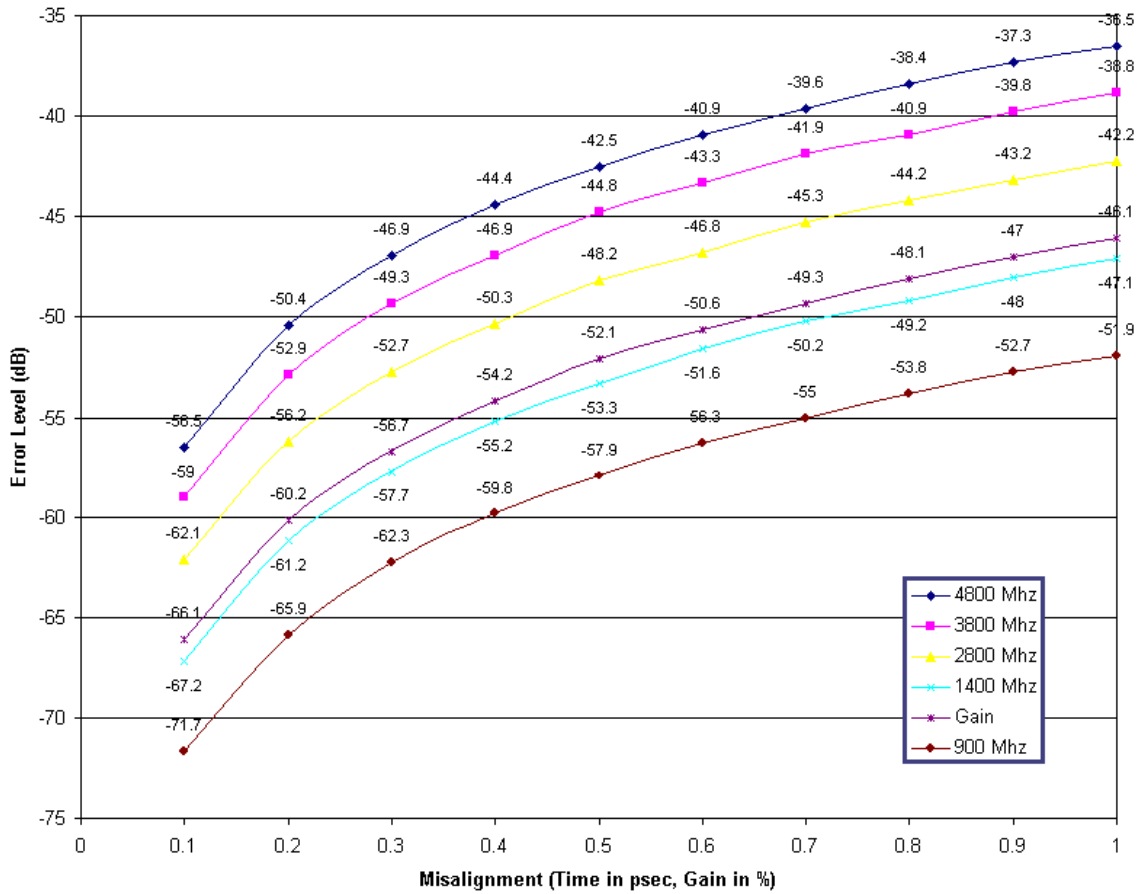


Figure 3: ADC-10000 Error Level as a Function of Timing Misalignment for Different Input Frequencies (Sampling Clock $f_c = 10000$ MHz)

