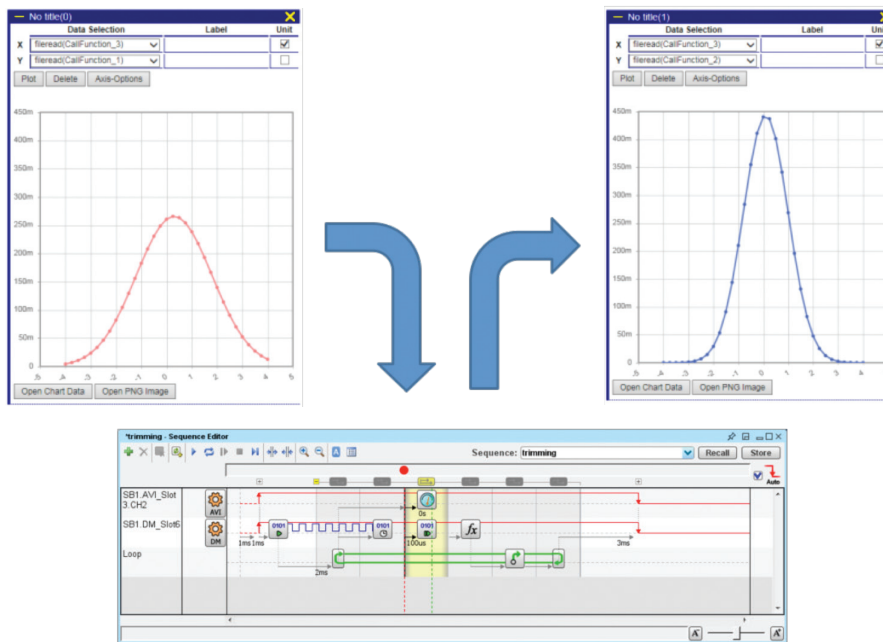


Trimming Solution

EVA100 MEASUREMENT SYSTEM



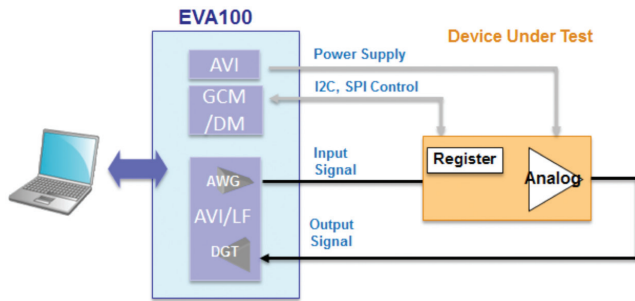
ANALOG AND DIGITAL TRIMMING SOLUTION



EVA100 supports efficient analog or digital trimming techniques

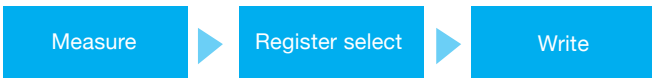
■ Semiconductor manufacturing processes has variance that can impact chip performance. Trimming techniques are needed to optimize performance. The EVA100 makes trimming easier with a template menu solution.

- I2C,SPI protocol base trimming
- Analog waveform base trimming
- Digital signal trimming



■ I2C,SPI protocol base trimming

- Register setting by I2C and SPI
- Direct access to register by register map
- Program less trimming



Test sequence example (Set output level by register)

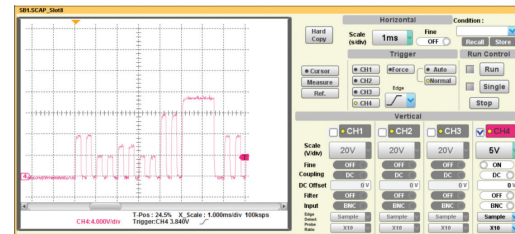
Bit Location (Bin)	Mapping Name
000	1.0V
001	1.1V
010	1.2V
011	1.3V
100	1.4V
101	1.5V
110	1.6V
111	1.7V

■ Analog waveform base trimming

- Generate arbitrary waveform by AWG function
- Multi value input without external circuit
- Check output waveform by digitizer function

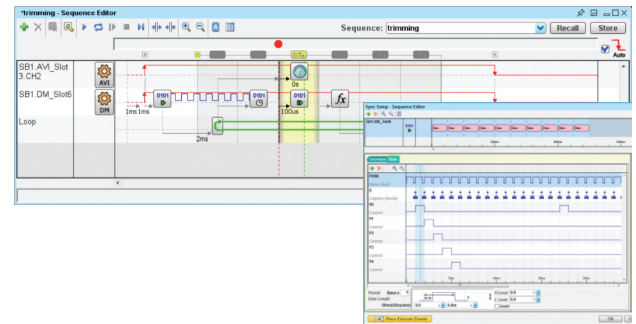


Arbitrary waveform generate (Multi value)



■ Digital signal trimming

- Digital signal input
- Calculation function



■ Easy measurement setup

- Use trimming sequence template

- ✓ I2C
- ✓ SPI
- ✓ Digital Trim
- ✓ Analog Trim



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