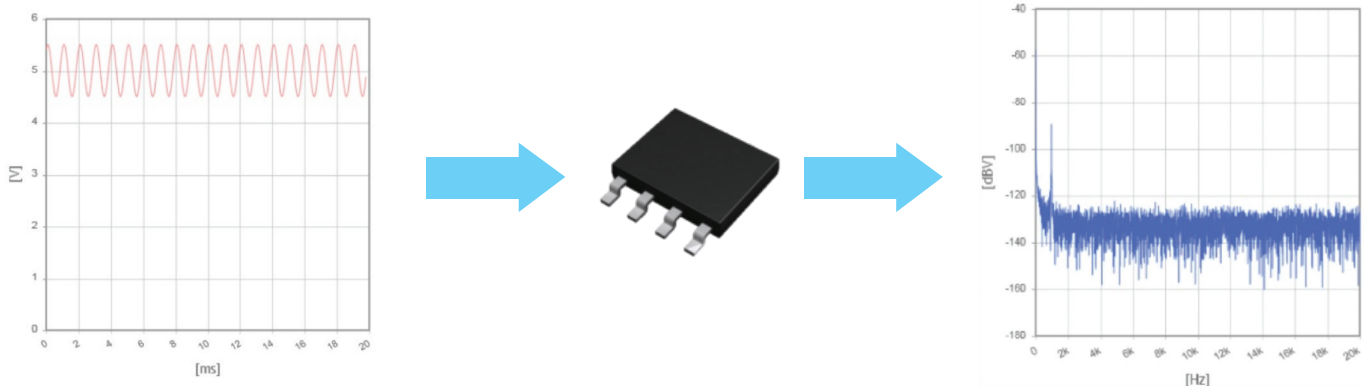
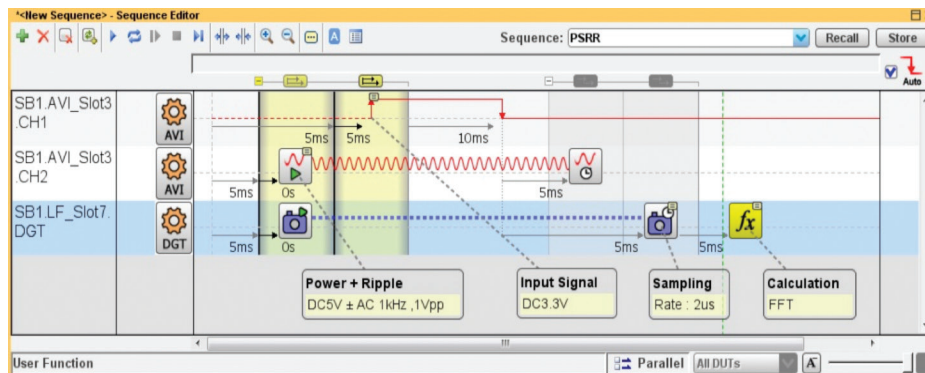


PSRR Measurement

EVA100 MEASUREMENT SYSTEM



$$PSRR = 20 \text{ Log} (\Delta V_{out} / \Delta V_{supply}) \text{ [dB]}$$

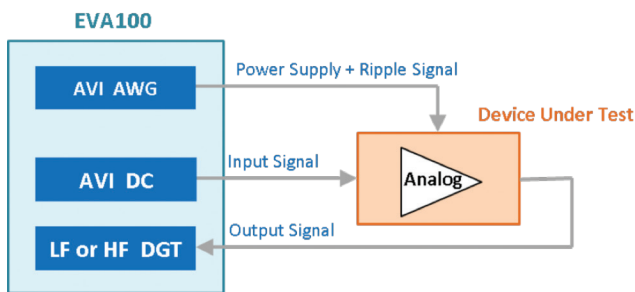


PSRR MEASUREMENT FOR ANALOG ICs

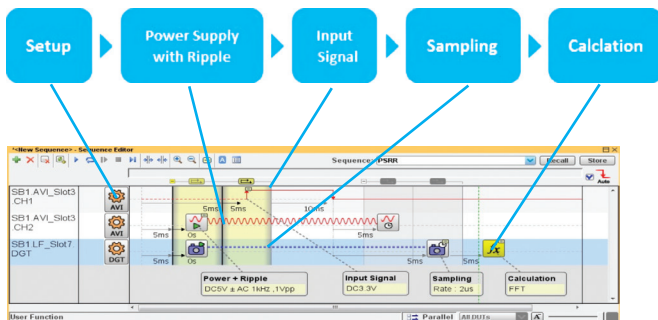
Make easy and accurate PSRR measurements
using simple measurement settings.

- The PSRR (Power Supply Rejection Ratio) is one of the common parameters for analog ICs. This measurement requires an output ripple and waveform measurement then a ripple rejection ratio calculation. The EVA100 has all of the needed functions for PSRR measurement contained in an easy-to-use template.

- VI source with arbitrary waveform generator (AWG) generates power supply with ripple
- Waveform sampling by high-accuracy AWG/DGT module (HF or LF)
- PSRR calculation function automatically analyzes ripple rejection ratio



■ Making Measurements with Intuitive GUI



- Easy-to-set measurement timing and calculation
- Comments can be added to document measurement items or conditions.



ADVANTEST CORPORATION
www.advantest.com

■ Easy Settings by Template



- PSRR measurement template (Sequence Gadget)

Audio Codec: ADC PSRR **ADVANTEST**

Abstract:
This sequence measures an A/D Converter's PSRR (Power Supply Rejection Ratio). Calculate the ratio of output noise to a given change (ripple) in the power supply voltage.

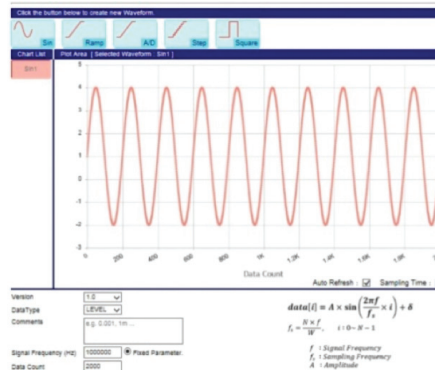
Connection:

IO (Function)	Type	Description
1	AVDD	Analog Power Supply
2	DVDD	Digital Power Supply
3	IN_P	Positive Differential Analog Input
4	IN_N	Negative Differential Analog Input
5	MCLK	Master Clock
6	BCLK	BCLK Clock
7	LACLK	L/R Clock
8	DSDATA	Digital Audio Data Output

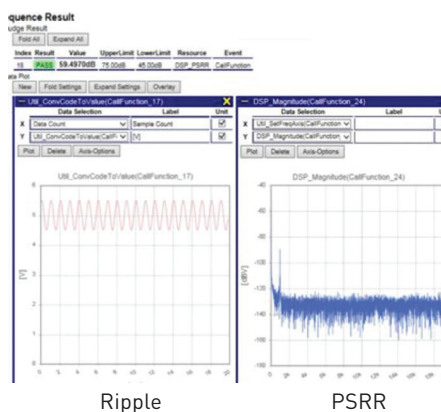
Table 1. Device Pin Information

Sequence:

- Ripple waveform (*Waveform Designer)



- Measurement report (Report Generator)



*Can be downloaded after registration