Alpha 400 Ripple and Noise Measurements

The following charts show how output ripple and noise varies with load for each module type.

Three measurements are presented for each module:

1. **Ripple (20MHz)** - peak to peak ripple measured at the module terminals with 20MHz bandwidth.

2. **PARD (20MHz)** - Periodic And Random Deviation (i.e. ripple + noise) measured at the module terminals with 20MHz bandwidth.

3. **Remote PARD (20MHz)** - Periodic And Random Deviation measured at a load point 150mm from the module with 100uF electrolytic capacitor and 100nF ceramic capacitor decoupling the measurement point. This is intended to be representative of a typical application set-up.

**Test Method for Measurements 1 & 2**

![Diagram](image)

**Test Method for Measurement 3**

![Diagram](image)
EQ Module - Channel 1 (upper)

EQ Module - Channel 2 (lower)

G Module
Section 9 - Noise

Upper H Module

Output Current / Amps

Output Current / Amps

Output Current / Amps

Lower H Module

J (40V) Module

Output Current / Amps

Output Current / Amps

Output Current / Amps