



The represented quantity is the one-sided phase noise Power Spectral Density (PSD) indicated with $\mathcal{L}(f)$ where f is the frequency offset with respect to the carrier frequency of the signal being amplified by the Device Under Test (DUT).

The **purple** trace is the phase noise introduced by a commercially available medium-power microwave amplifier (JCA911-428). The **red** trace is the residual noise introduced by the same amplifier when the noise-cancellation scheme is implemented. **The improvement of the noise is better than 20dB.**

The **blue** trace is the noise floor of the phase noise measurement system that is its sensitivity limit.