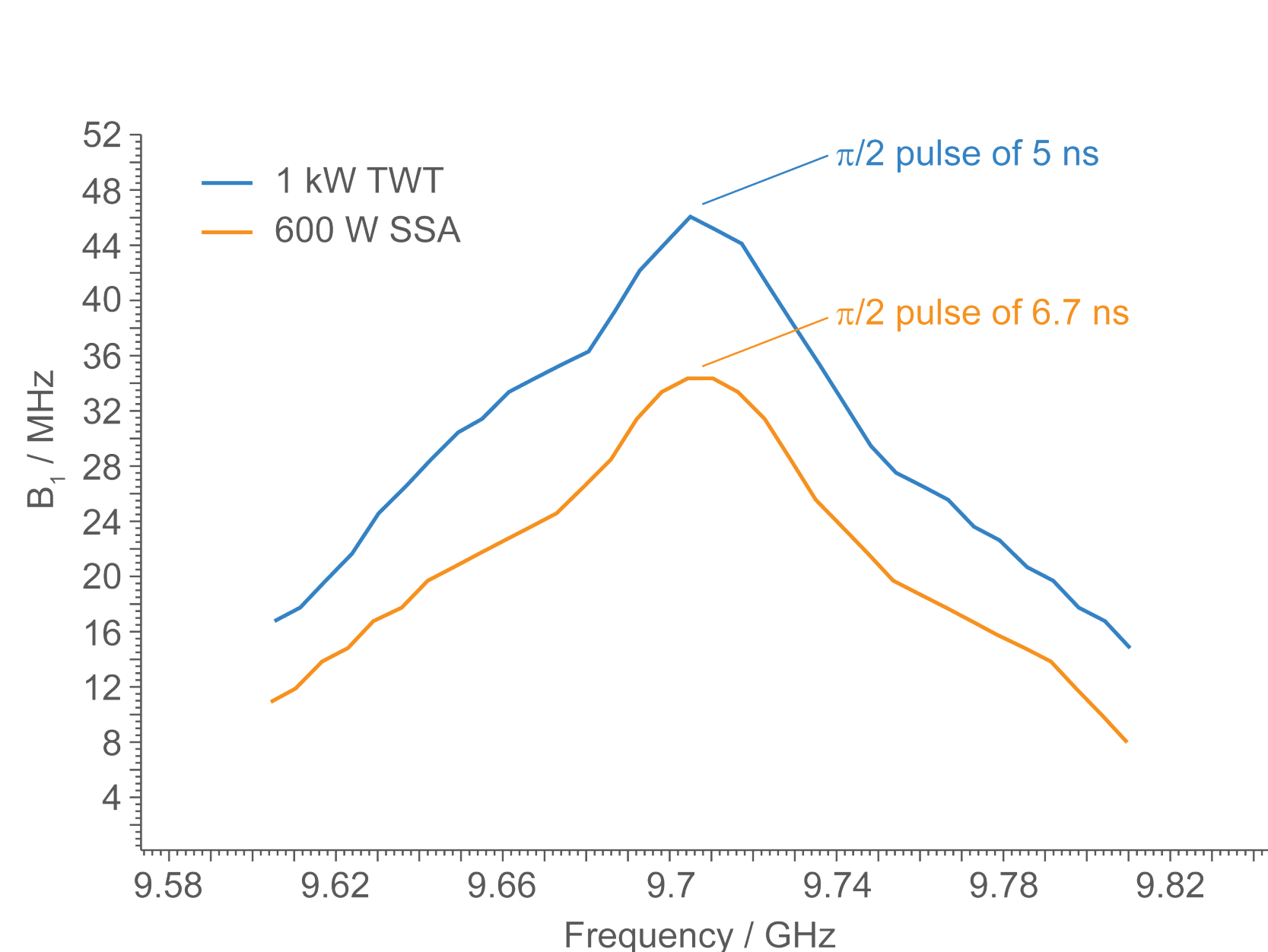


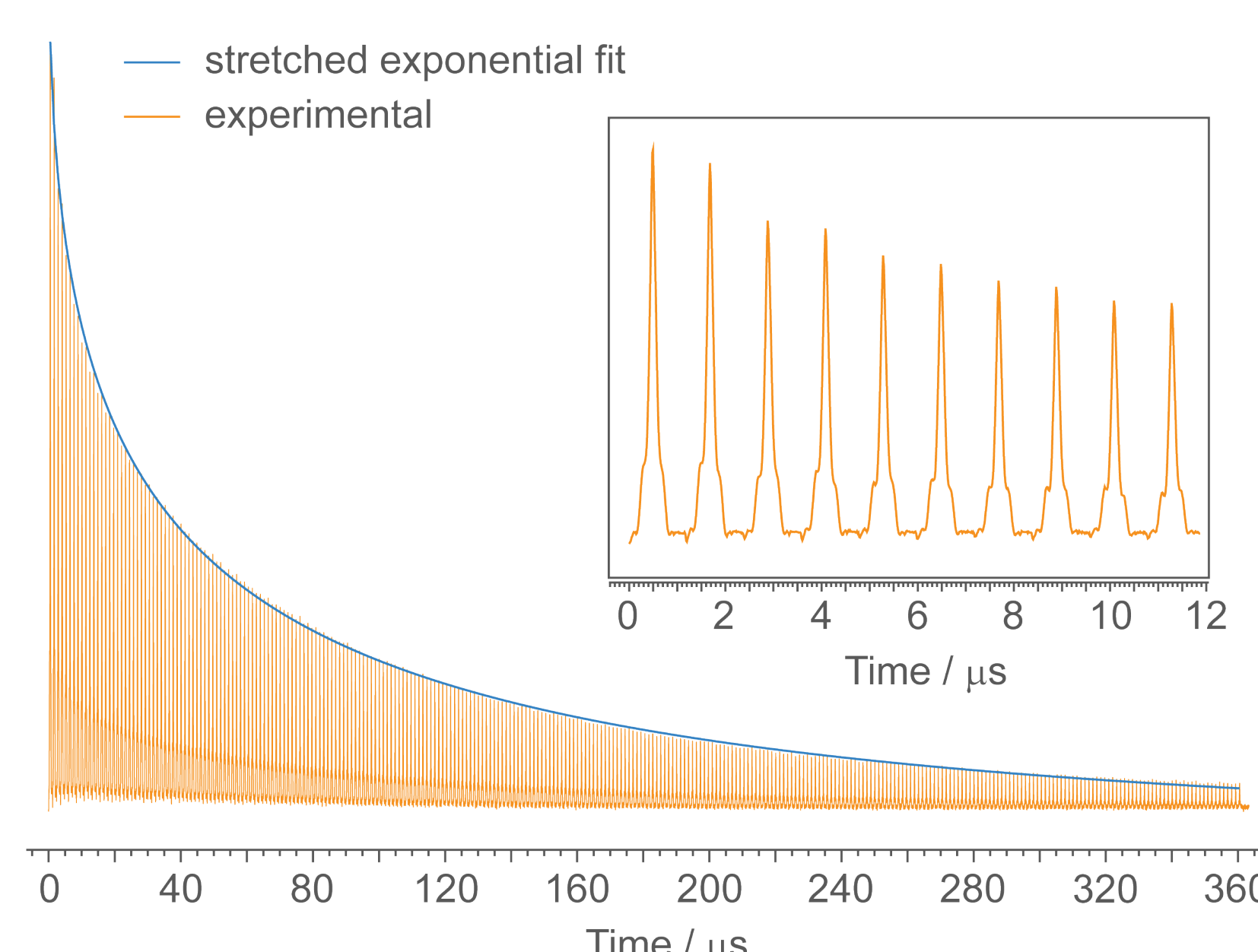
EPR X-band 600 W Solid-State Amplifier

Bruker designed and built for state-of-the-art pulse EPR research

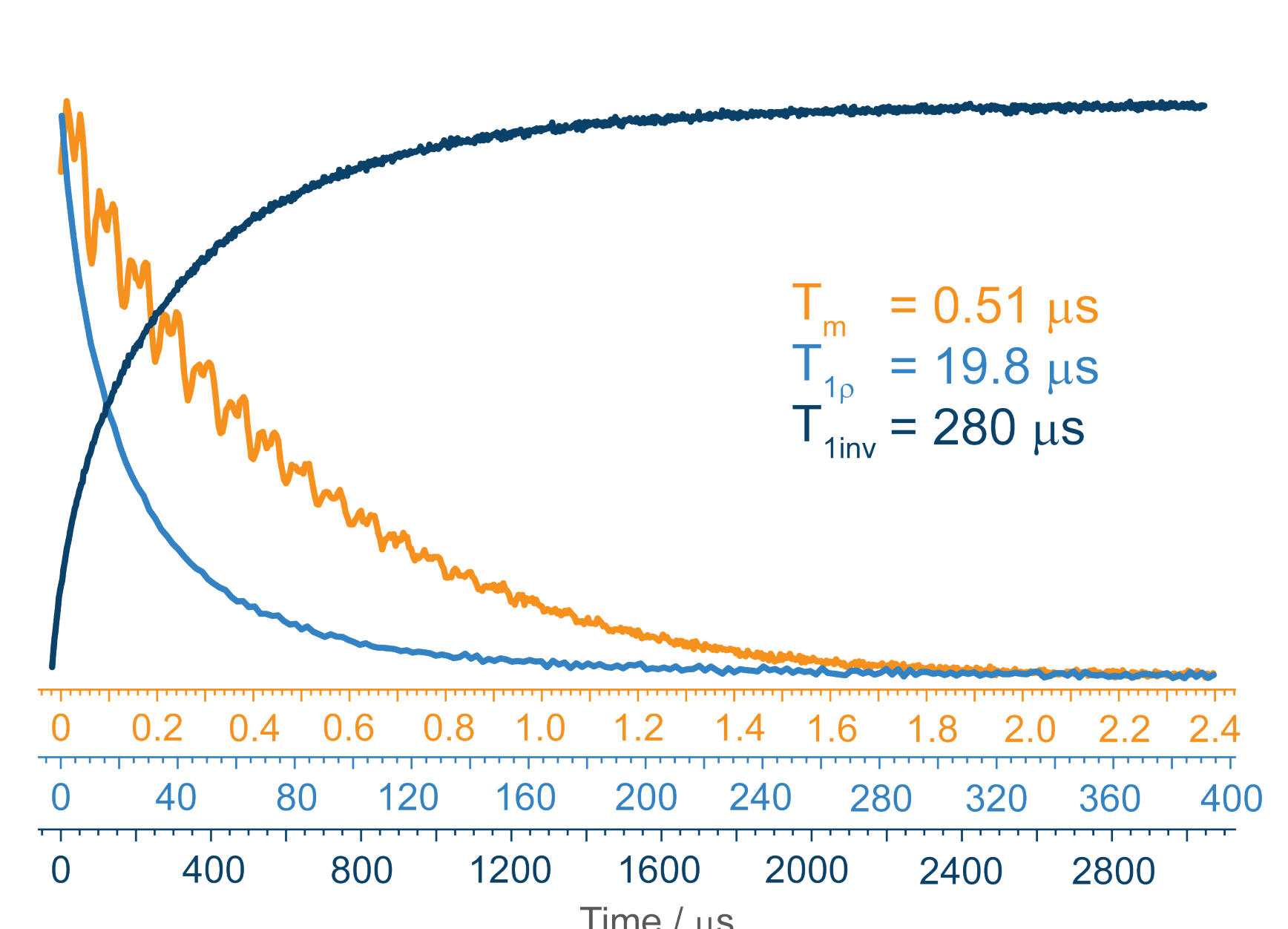
The new Bruker-built Solid-State Amplifier (SSA) is the result of Bruker's decades of experience with X-band pulsed EPR spectrometers. The SSA offers a high degree of experimental freedom while ensuring competitive pricing and short delivery times. With a fully overcoupled resonator, **90° pulses as short as 12 ns** and **saturation pulses a few hundred μ s long** can be routinely achieved. Paired with high phase stability, this amplifier is **ideally suited for all X-band pulsed experiments** such as ESEEM, HYSCORE, ENDOR, and DEER.



Bandwidth profiles of an MD4 resonator for different amplifiers under identical coupling conditions.



CPMG sequence of γ -irradiated Quartz with 300 refocusing pulses.



Different relaxation measurements of a nitroxide sample. The spin lock pulse for T_{1p} measurements had a length up to 400 μ s.

For more information please visit www.bruker.com