

MENHIR-1550

Product/Model: MENHIR-1550

Product Overview: Robust femtosecond laser solutions

Our MENHIR-1550 Series is the first industrial-grade, femtosecond laser at 1550 nm with GHz repetition-rate.

Product Contents:

Key features

- Ultra low-noise
- Hermetically sealed laser
- All-in-one system

Key specifications

- Repetition rate: up to 2.5 GHz
- Clean soliton pulses: < 250 fs



MENHIR-1550 at 250 MHz

freq	250MHz
Power	> 100mW
λ_0	1545-1565nm
Clean soliton pulse	
Bondwidth	> 10nm
Pulse width	< 250fs
Sech ² -shaped spectrum	
Beam characteristics	TEM ₀₀ , M ² < 1.05

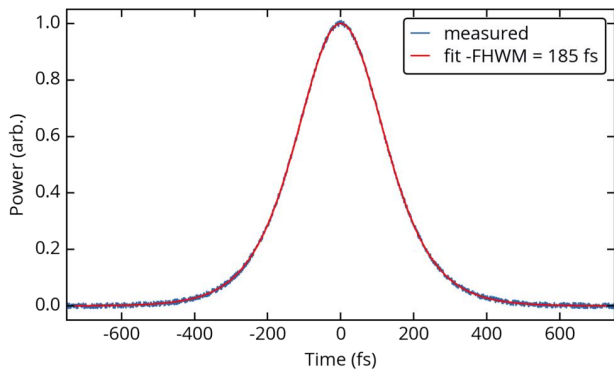
MENHIR-1550 at 1 GHz laser

freq	1GHz
Power	> 50mW
λ_0	1545-1565nm
Clean soliton pulse	
Bondwidth	> 10nm
Pulse width	< 250fs
Sech ² -shaped spectrum	
Beam characteristics	TEM ₀₀ , M ² < 1.05

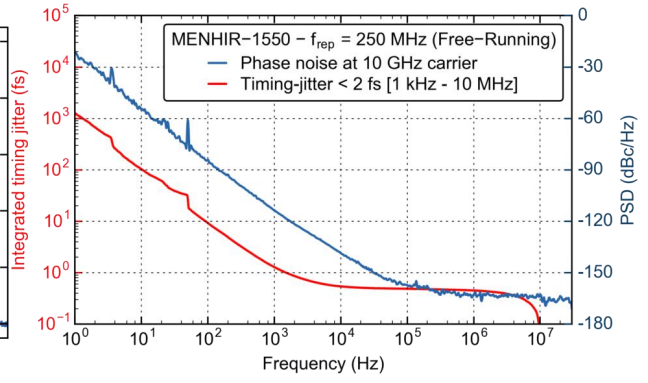
MENHIR-1550 at 2.5GHz laser

freq	2.5GHz
Power	> 20mW
λ_0	1545-1565nm
Clean soliton pulse	
Bondwidth	> 10nm
Pulse width	< 250fs
Sech ² -shaped spectrum	
Beam characteristics	TEM ₀₀ , M ² < 1.05

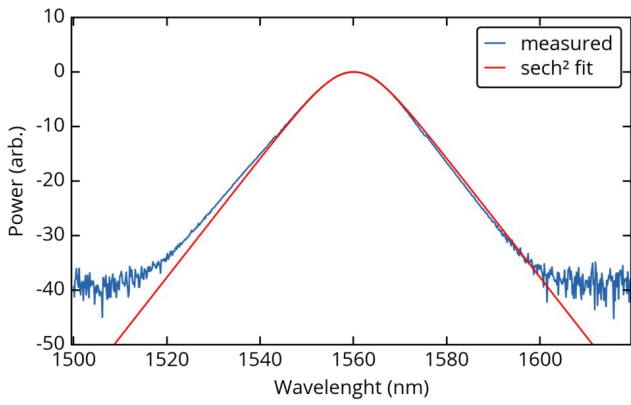
Soliton Pulses



Phase noise & Timing-Jitter



Clean optical spectrum



Clean RF trace

