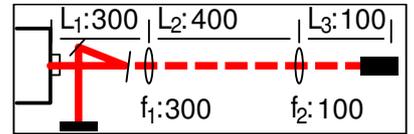
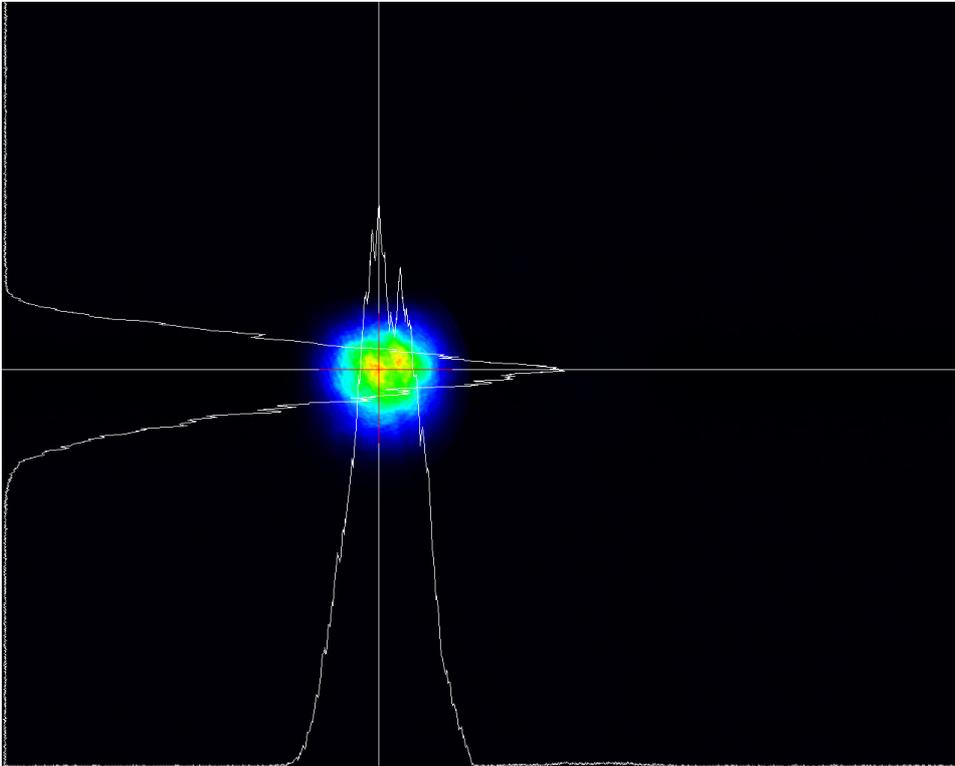


Laser SN: 0702 Frequency: 300kHz Water temp.: 25°C Max. Current: 2,9A
 Wavelength: 532nm Max. Freq.: 20000kHz Water flow: ____ Max. Current2: 46A
 P. on time: 588h Max. Charg.: ____ Oven temp.: ____ Thr. Current: 2,9A

Beam profile near field

Measurement methode: 1/e²

Measurement setup:



Beam radius:

-Specified

ω_{xn} : 1500 μ m

ω_{yn} : 1500 μ m

-Measured

ω_{xn} : 1372,8 μ m

ω_{yn} : 1349,4 μ m

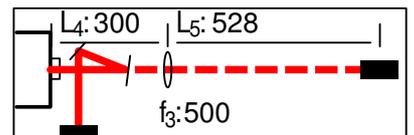
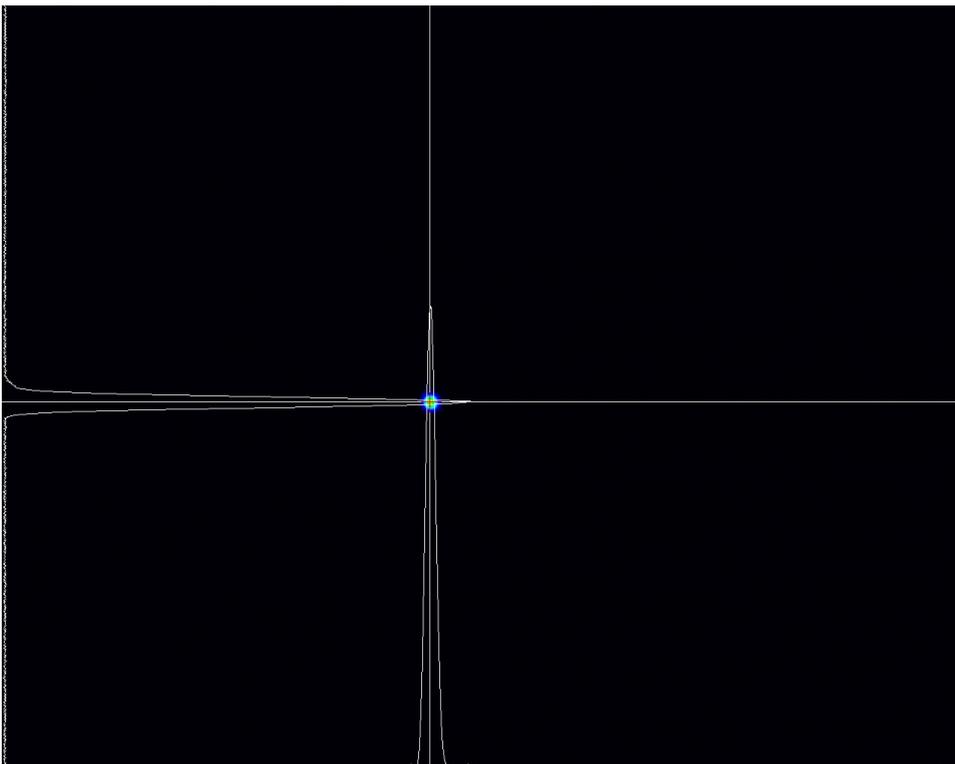
Ellipticity:

$$\frac{\omega_{min}}{\omega_{max}} = 0,98$$

Beam profile far field

Measurement methode: 1/e²

Measurement setup:



Beam radius:

-Specified

ω_{xf} :

ω_{yf} :

-Measured

ω_{xf} : 67,6 μ m

ω_{yf} : 67,6 μ m

Ellipticity:

$$\frac{\omega_{min}}{\omega_{max}} = 1$$

Beam quality:

$$M^2 = \frac{(\omega_f / f_3) \cdot \omega_n}{(\lambda / \pi)}$$

M²_x: 1,10

M²_y: 1,08