

Re: Help with adjustment of a New Focus Electro-optic Modulator

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imayocam@xxxxxxxxxxx wrote:

Hi everybody!

I bought a resonant electro optic modulator (Model EOM 4851, New Focus) and have tried to adjust the laser beam and modulator to observe the sidebands at 9.2 GHz, but unfortunately have not been able to see any phase modulation with my Burleigh Fabry-Perot.

I have tried during several days and have taken into account all the indications regarding rayleigh range, beam diameter, polarization etc.. Do you have any experience adjusting EOMs? Could you give me a suggestion?

Thank you in advance for your help.

What are you driving it with? What is the FWHM of your Fabry-Perot? Is the Fabry-Perot tuned properly? Is the beam mode-matched with the F-P?

Cheers,

Phil Hobbs

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