1- Example of power after CVBG: 60mW
Example of power coupled to the fiber: 15mW
In that case, it should be optimized! The coupling can be around 70% (old setup with Loïc) and more than 50%!

2- Seed the Amplifier with at least 1mW on the « Entrée Seeder »
With all the stages (1-2-3) OFF, one measures about 20µW on the « 5% tap » output on the front panel with an input power of 4mW for the seeder.
The « photodiode on the rear side » exhibits 2.5mV on 1Mohms' impedance on a scope.
=> Maybe this monitoring output is broken

3- Switch ON the 1st stage of the amplifier.
With the 1st stage ON, we measure about 7.7mW on the « 5% tap » output on the front panel with an input power of 4mW for the seeder.
These 7.7mW are equivalent to 14mV measured on a DET10 photodiode loaded by 50 ohms.
The « photodiode on the rear side » exhibits 3mV on 1Mohms' impedance on a scope.
We can measure about 300-500µW at the free space output of the amplifier.

4- Switch ON the 2nd stage of the amplifier.
We can measure about 1.3-1.4W at the free space output of the amplifier without any iris to remove the pump power.
The remaining power, after removing the pump with an iris, should be around 0.3-0.4W

5- Before switching ON the 3rd stage, it is MANDATORY to start the chiller with a temperature of 23°C.

6- Start the Alphanov software to control the 3rd stage. It's a Qt software:
- connect a USB cable and connect the software: 4 panels will pop up, each for one pump diode control.
All the alarm LEDs should be green, not as in the picture (1).
Each panel's maximum current and voltage should be 12A and 20V, respectively (2).
If it's not already done, put all four current sources in AUTO mode instead of MANUAL (3).
Now, you can increase or decrease the current of each panel by a maximum of 1A, one panel at a time, and measure roughly the set current on the "Measures" box (4).
The maximum achievable current is 12A, but we have never been above 6A.