

Datasheet for #BG-7-8

Recommendations:

Please read the User Manual and have a look at the FAQ at <http://www.alpeslasers.ch/?a=142>

WARNING: Operating the laser with longer pulses, higher repetition rate, higher voltage or higher current than specified in this document may cause damage. It will result in loss of warranty, unless agreed upon with Alpes Lasers!

WARNING: Beware of the polarity of the laser. This laser has to be powered with negative bias on the laser contact (= bonding pad, corresponding to the label "laser" on the LLH) and the positive bias on the base contact (= submount, corresponding to the label "base" on the LLH).

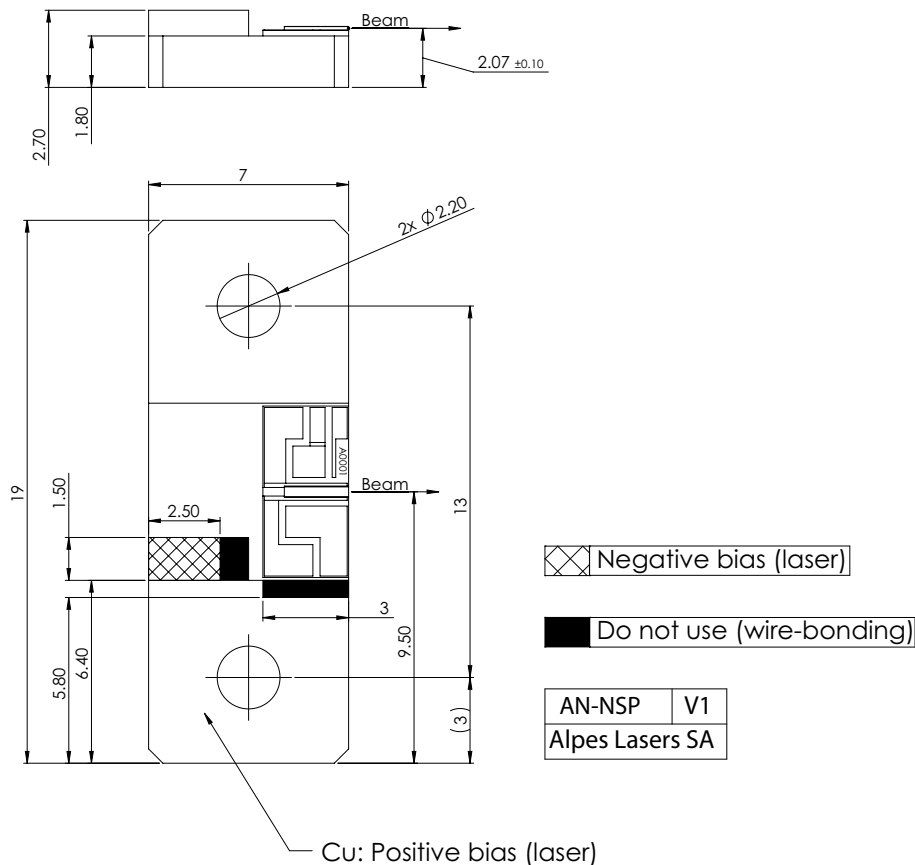


Figure 1: Support mounting for #BG-7-8

Performances of the back-facet HR coated device on AN3U-NSP submount

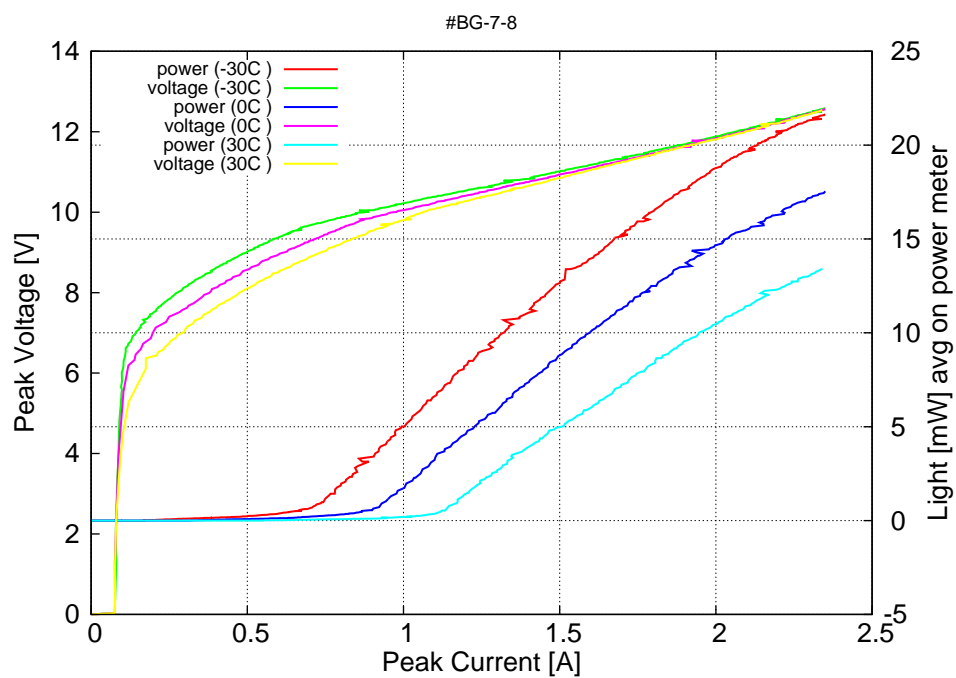
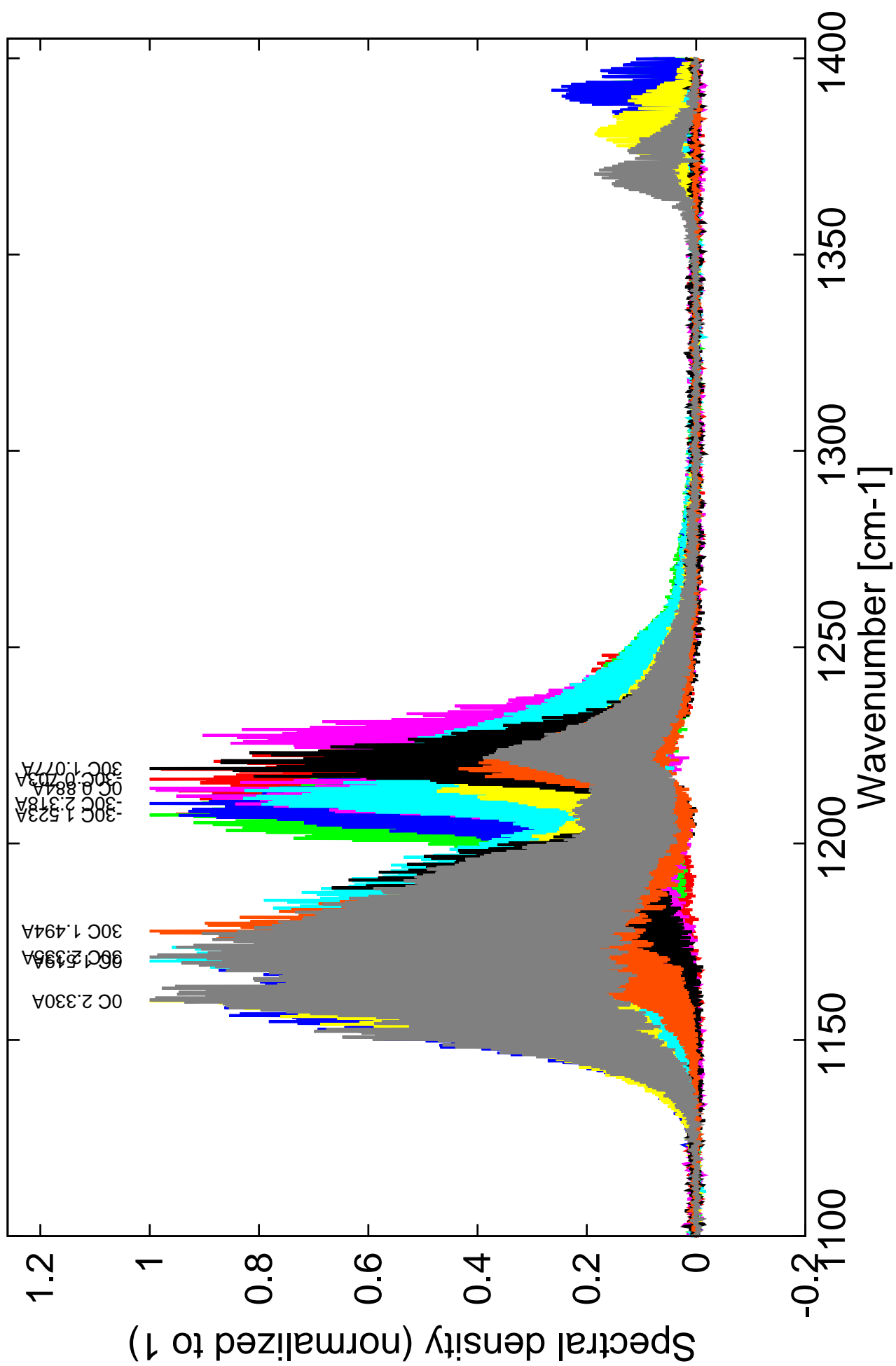


Figure 2: Peak voltage and average power vs peak current at 2% duty-cycle (200ns pulses on the laser)

Figure 3: spectra at various temperatures at 2% dc for the uncoated/HR coated device



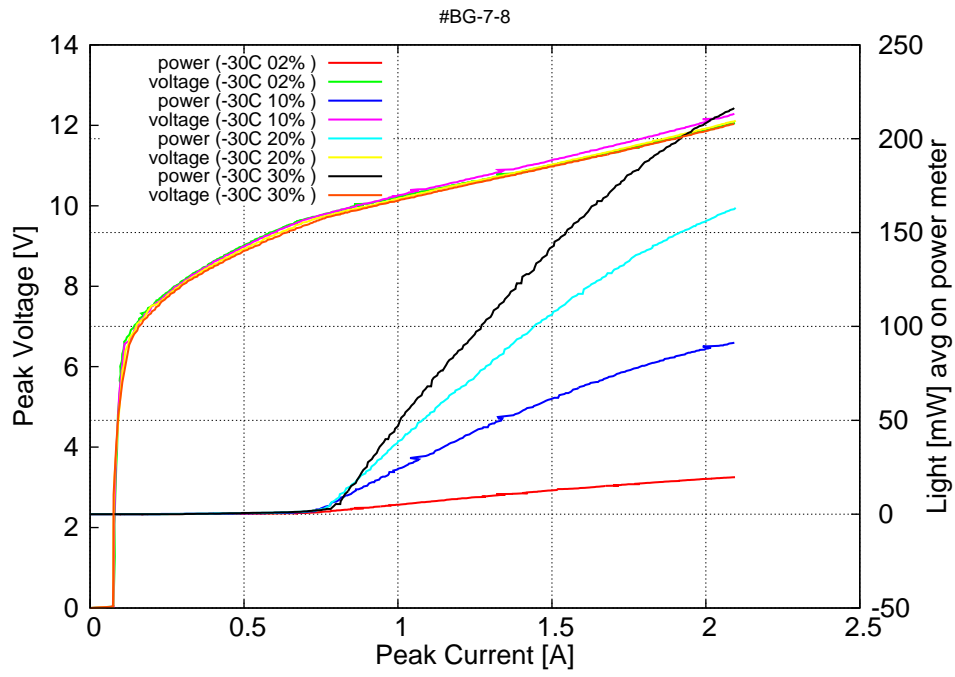


Figure 3: peak voltage and average power vs peak current for various duty-cycle at -30C (200ns pulses on the laser) for the uncoated/HR coated device

Performances of the device while uncoated/uncoated on AN3U submount

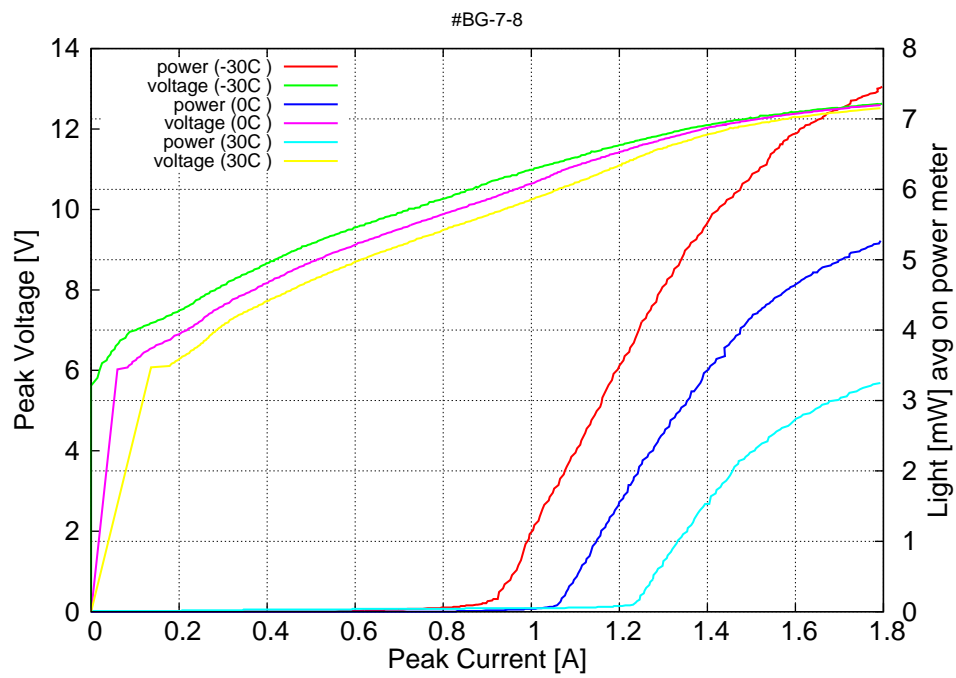
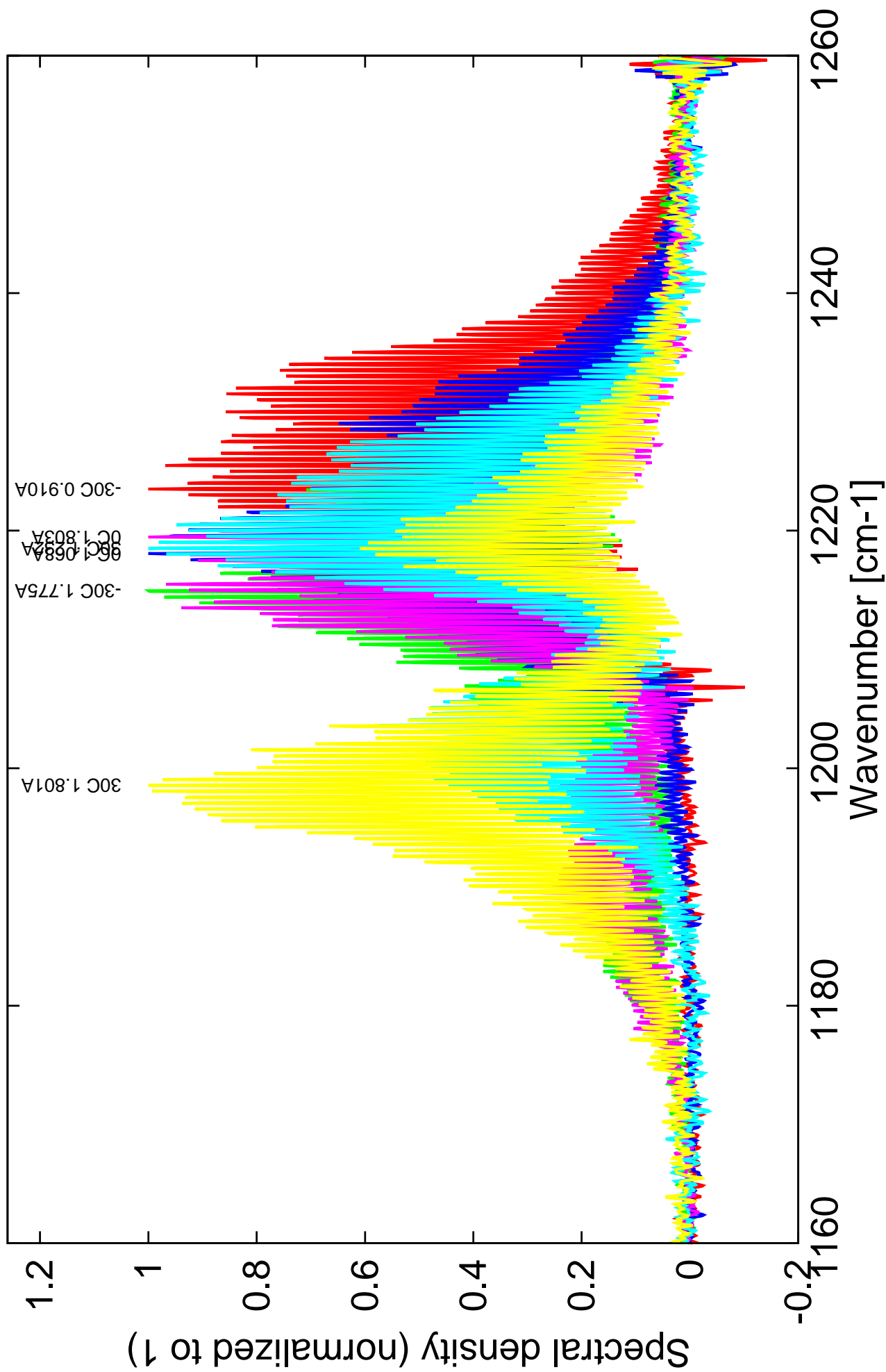


Figure 4: Peak voltage and average power vs peak current at 2% duty-cycle (200ns pulses on the laser)

Figure 6: spectra at various temperatures at 2% dc (100ns pulses on the laser) for the uncoated device



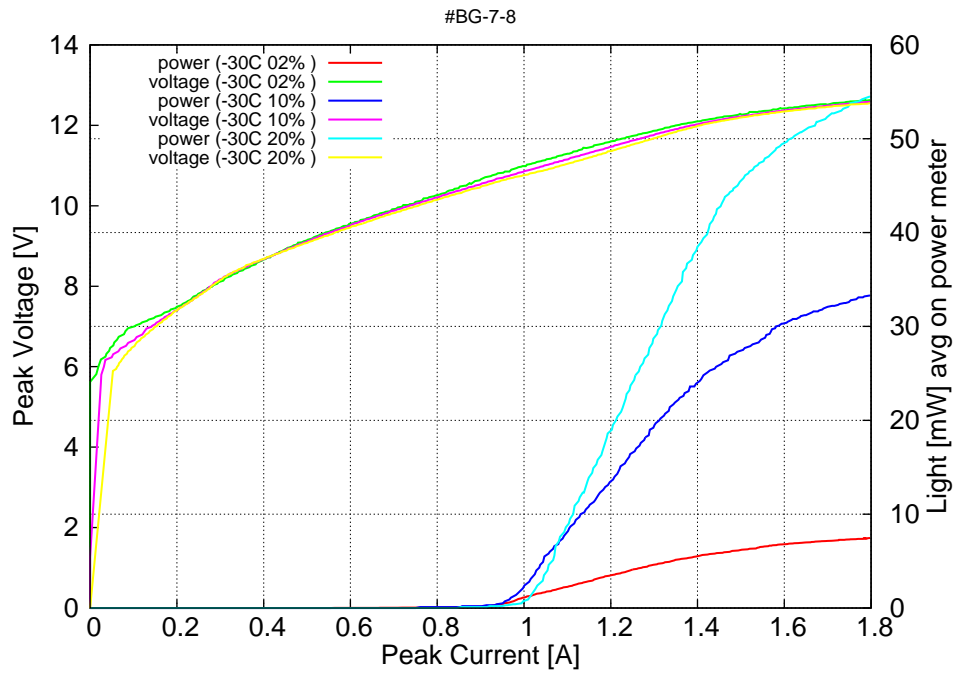


Figure 5: peak voltage and average power vs peak current for various duty-cycle at -30C (200ns pulses on the laser) for the uncoated device