

Figure 2: Output power as a function of the singlemode emission frequencies and temperatures

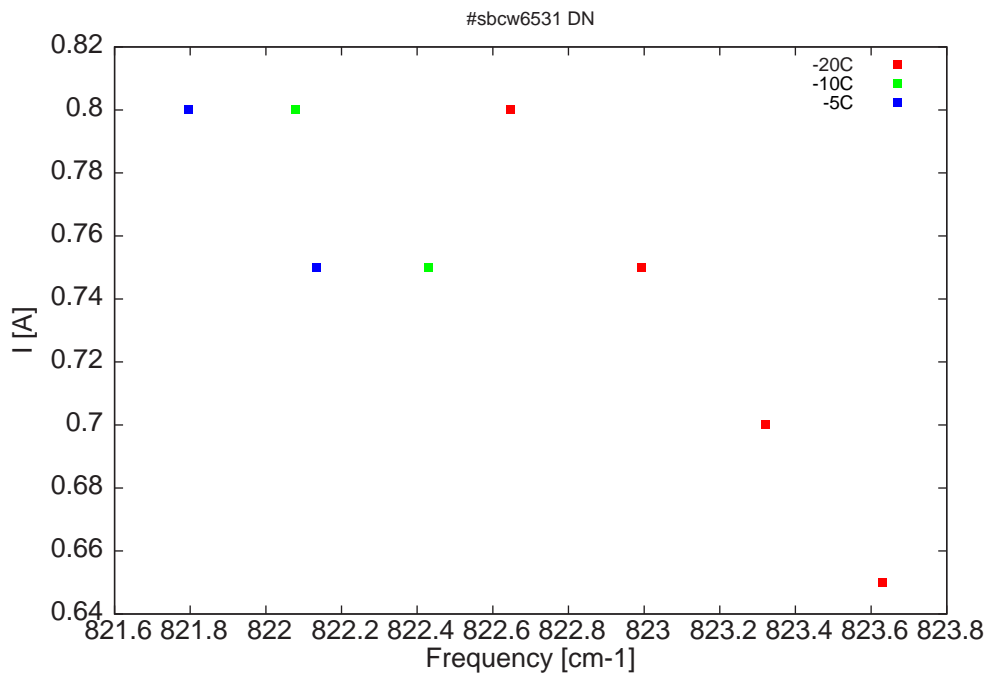


Figure 3: Applied DC current as a function of singlemode emission frequencies and temperatures

λ [nm]	ν [cm^{-1}]	P[mW]	Temp[$^{\circ}\text{C}$]	U_{LASER} [V]	I[A]
12141.4	823.6	0.1	-20	7.9	0.65
12145.9	823.3	1.5	-20	8.2	0.7
12150.8	823	2.7	-20	8.4	0.75
12155.9	822.6	3.3	-20	8.7	0.8
12159.1	822.4	0.7	-10	8.4	0.75
12164.3	822.1	1.4	-10	8.6	0.8
12163.5	822.1	0	-5	8.4	0.75
12168.5	821.8	0.7	-5	8.6	0.8

Table 1 : singlemode optical output power as function of operating parameters

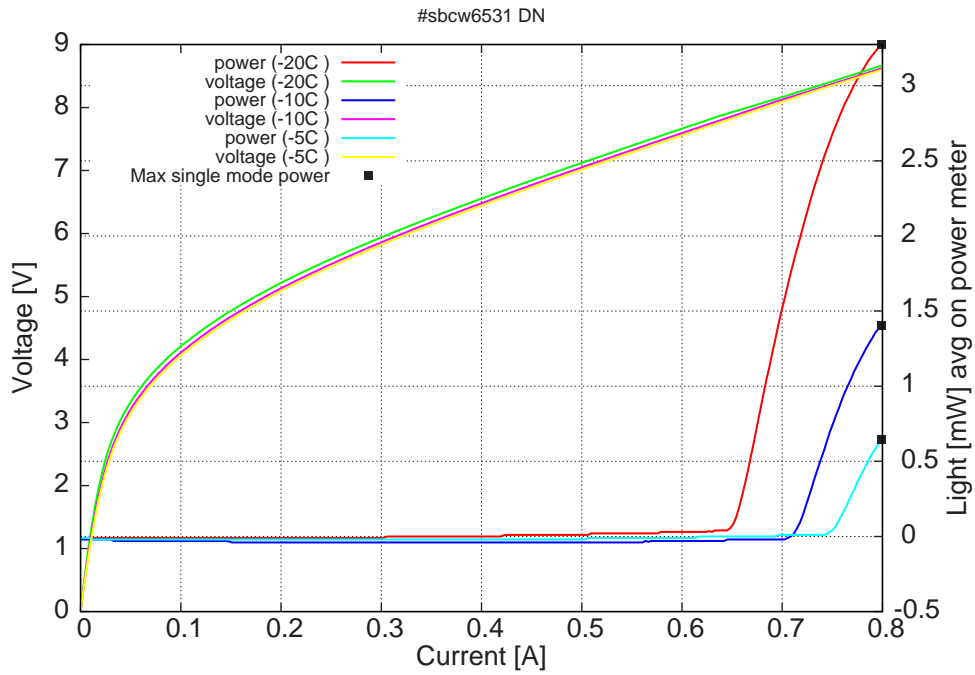


Figure 4: voltage and avg power vs current in continuous-wave operation (the solid squares indicate the maximum singlemode emitted power)

Note: at -20C: $I_{th}=0.65\text{A}$ / $V_{th}=7.9\text{V}$ (2-wires measurements). Maximum operation current: 0.8A for all temperatures.

Figure 3: spectra at different temperatures for various DC currents

