

**USE THE SLIDER IN WISCSAN TO CONTROL THE POCKEL'S CELL. DO NOT ADJUST THE BIAS DIAL ON THE POCKEL'S CELL CONTROLLER.**

Use this chart to get a rough idea of how much laser power you will get for a given Pockel's cell slider value at a given wavelength. Note that all values are approximate. Please let me know if you would like me to do any other wavelengths.--Josh

Controller Bias: 100 V

### 700 nm

<i>Pockel's Cell Slider Value</i>	<i>Percentage of Maximum Laser Power</i>
0	1%
20	3%
40	8%
60	16%
80	25%
100	36%
120	48%
140	59%
160	71%
180	81%
200	89%
220	96%
240	99%
<b>260</b>	<b>100%</b>
280	97%
300	93%
320	85%
340	75%
360	65%
380	53%
400	41%

### 740 nm

<i>Pockel's Cell Slider Value</i>	<i>Percentage of Maximum Laser Power</i>
0	2%
20	3%
40	7%
60	13%
80	20%
100	29%
120	40%
140	51%
160	62%
180	73%
200	82%
220	90%
240	95%
260	99%
<b>280</b>	<b>100%</b>
300	98%
320	93%
340	88%
360	79%
380	70%
400	59%

<b>780 nm</b>	
<i>Pockel's Cell Slider Value</i>	<i>Percentage of Maximum Laser Power</i>
<b>0</b>	<b>2%</b>
20	3%
40	6%
60	12%
80	19%
100	28%
120	38%
140	48%
160	59%
180	69%
200	79%
220	87%
240	93%
260	97%
280	100%
<b>300</b>	<b>100%</b>
320	97%
340	93%
360	87%
380	79%
400	70%

<b>800 nm</b>	
<i>Pockel's Cell Slider Value</i>	<i>Percentage of Maximum Laser Power</i>
<b>0</b>	<b>2%</b>
20	3%
40	6%
60	11%
80	18%
100	26%
120	35%
140	45%
160	55%
180	65%
200	75%
220	84%
240	90%
260	95%
280	99%
<b>300</b>	<b>100%</b>
320	99%
340	96%
360	92%
380	84%
400	76%

<b>890 nm</b>	
<i>Pockel's Cell Slider Value</i>	<i>Percentage of Maximum Laser Power</i>
<b>0</b>	<b>2%</b>
20	3%
40	5%
60	8%
80	14%
100	21%
120	29%
140	37%
160	45%
180	55%
200	64%
220	72%
240	80%
260	87%
280	93%
300	97%
320	99%
<b>340</b>	<b>100%</b>
360	99%
380	96%
400	92%