Protocol for Human Neurofeedback Experiments:

Day 1:

1. Consent Form
   1. Ask about camera comfort
2. Recording with movement to optimize contact selection
3. Recording with movement to optimize power channel frequency range
   1. Consider channel averaging?
4. Decoder fitting for contact selection and power channel
5. Instructions for Neurofeedback + movement task
   1. “You’ll need to keep you hand in the target at all times otherwise the task will timeout”
   2. “Please use a cognitive strategy to modulate beta power, try not to move”
   3. “Imagining movement may be helpful”
   4. Explain how the three targets work and how the tapping works (slight lag).
6. Try with decoder
   1. Refit decoder if needed

Day 2 – 21

1. Movement task in beginning with time domain
2. 5 min of neurofeedback with time domain also streaming (power channel control though)
3. 35 – 55 min of power channel neurofeedback practice
4. 5 min of practice with time domain streaming

Clean-Up Checklist:

* Remove batteries from SPTM
* Remove batteries from Nexus-D
* Turn off sensing (with tablet)
* Stim should stay on
* Backup data files from matlab on USB
* Save videos

Equipment Checklist:

1. Sensing programmer tablet, charger, stylus
2. SPTM, AAA batteries, antenna
3. Demo unit
4. Nexus D
5. Nexus D holder
6. Windows 7 laptop & charger
7. Touch sensor pad
8. Arduino pack
9. USB A 🡪 B (backup for BT)
10. Glove
11. Webcam & stand
12. USB stick for storage