Test plan - Monday, 14.10.2019

Goal: Testing whether our product is ready to be getting tested by a real archer.
Setup:

- Preparation
  - Prepare target and alignment line (measure distance to target)
  - Set up IR spots on target
  - Bring device and bow in ready state
- Data collection
  - Aim bow at target and reporting perceived accuracy of aim (5x)
  - Evaluate the sound signals (5x)
    - Report on volume
    - Report on division of stereo channels
    - Report on pleasantness of signals
  - Evaluate the weight of the device
    - Report on weight feeling while aiming
- Aim accuracy adjustments
  - Depending on accuracy findings:
    - Adjust device mechanically until perfect aim is perceived
    - If necessary: Adjust software until perfect aim is perceived

Nr.	Action	Results / Comments / Complications
1	Prepare target and alignment line	No target available, improvisational measure of target distance.
2	Set up IR spots on target	Due to dynamic software-centering of spots only mounting of the spots needed, no issues occurred.
3	Bring device and bow in ready state	Slight issues with auto-turn-off function of power bank, laptop USB-connection used instead.
Test person 1		
4a	Aim bow at target and report perceived accuracy of aim	Accuracy difficult to determine, much inference light and no filter available.
4b	Report on volume, pleasantness and other attributes of the sound signal	Volume good, sounds changing too quickly.
4c	Report on perceived weight of the device	Weight entirely neglectable.
Test person 2		
5a	Aim bow at target and report perceived accuracy of aim	Accuracy seems okay. Signal quiet when aiming in middle might be confusing.
5b	Report on volume, pleasantness and other attributes of the sound signal	Volume good, sounds confusing and signal pulse frequency too high.
5c	Report on perceived weight of the device	Weight entirely neglectable.
Test person 3		
6a	Aim bow at target and report perceived accuracy of aim	Accuracy good, signals not clearly distinguishable, confusing.

6b	Report on volume, pleasantness and other attributes of the sound signal	Volume good, signals need more clarity.
6c	Report on perceived weight of the device	Weight entirely neglectable.
Test person 4		
7a	Aim bow at target and report perceived accuracy of aim	Accuracy can't be well determined, signals changing too frequently.
7b	Report on volume, pleasantness and other attributes of the sound signal	Sound signal has to be slower and clearer.
7c	Report on perceived weight of the device	Weight entirely neglectable.
Aim adjustments		
8a	Adjust device mechanically until perfect aim is perceived	No mechanical adjustment needed.
8b	If necessary: Adjust software until perfect aim is perceived	No software adjustment needed. Rather: adjusted sound parameters for more clarity. Further tests needed.