| Name   | Zheng Jia Han   |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| Age  | 0   |  |  |  |  |  |  |
| Gender   | male  |  |  |  |  |  |  |
| Address  |   |  |  |  |  |  |  |
| Doctor   |   |  |  |  |  |  |  |
| User remark  |   |  |  |  |  |  |  |
| Acquisition System                                       | NeuroScan   |  |  |  |  |  |  |
| Sampling Rate (Hz)                                       | 250   |  |  |  |  |  |  |
| Number of Channels                                       | 9   |  |  |  |  |  |  |
| Monitor Selected   | Monitor 0 (Main window)   |  |  |  |  |  |  |
| Run Mode   | TRAIN   |  |  |  |  |  |  |
| Synchronous Mode   | Normal  |  |  |  |  |  |  |
| Feature Extraction                                       | TRCA  |  |  |  |  |  |  |
| Number of Blocks   | 5   |  |  |  |  |  |  |
| Data Saved Path  | D:\zhengjiahan\uniBrain-Speller\Result  |  |  |  |  |  |  |
| Accuracy (%)   | 96.28   |  |  |  |  |  |  |
| ITR (bits/min)   | 200.49  |  |  |  |  |  |  |
| Accuracy (%) and<br>ITR (bits/min)<br>over window length | TRCA: Accuracy over Window Length  1.0  paradigm ssvep  1.0  Vindow Length  TRCA: ITR over Window Length  TRCA: ITR over Window Length  100  paradigm ssvep  0.2  0.4  0.6  0.8  1.0  Window Length |  |  |  |  |  |  |
| Commenced Date and Time                                  | May 11, 2023, 08:25 PM  |  |  |  |  |  |  |
| Total Run Time   | 0H 40M 28S  |  |  |  |  |  |  |
| Keyboard Name  | Keyboard 43 keys HS   |  |  |  |  |  |  |

## **Keyboard Processing Table:**

| Key<br>Name  | Frequency<br>(Hz) | Phase<br>(rad) | Training<br>Accuracy (%) | Testing<br>Accuracy (%) | No of<br>Outputs |
|--------------|-------------------|----------------|--------------------------|-------------------------|------------------|
| 1            | 7.4               | 0.0            | 60.0                     | N/A                     | 0                |
| 2            | 8.2               | 0.0            | 100.0                    | N/A                     | 0                |
| 3            | 9.0               | 0.0            | 100.0                    | N/A                     | 0                |
| 4            | 9.8               | 0.0            | 100.0                    | N/A                     | 0                |
| 5            | 10.6              | 0.0            | 100.0                    | N/A                     | 0                |
| 6            | 11.4              | 0.0            | 100.0                    | N/A                     | 0                |
| 7            | 12.2              | 0.0            | 100.0                    | N/A                     | 0                |
| 8            | 13.0              | 0.0            | 100.0                    | N/A                     | 0                |
| 9            | 13.8              | 0.0            | 100.0                    | N/A                     | 0                |
| 0            | 14.6              | 0.0            | 100.0                    | N/A                     | 0                |
| $\leftarrow$ | 15.6              | 1.571          | 60.0                     | N/A                     | 0                |
| Q            | 7.6               | 1.571          | 100.0                    | N/A                     | 0                |
| W            | 8.4               | 1.571          | 100.0                    | N/A                     | 0                |
| E            | 9.2               | 1.571          | 100.0                    | N/A                     | 0                |
| R            | 10.0              | 1.571          | 100.0                    | N/A                     | 0                |
| Т            | 10.8              | 1.571          | 100.0                    | N/A                     | 0                |
| Υ            | 11.6              | 1.571          | 100.0                    | N/A                     | 0                |
| U            | 12.4              | 1.571          | 100.0                    | N/A                     | 0                |
| I            | 13.2              | 1.571          | 100.0                    | N/A                     | 0                |
| 0            | 14.0              | 1.571          | 80.0                     | N/A                     | 0                |
| Р            | 14.8              | 1.571          | 80.0                     | N/A                     | 0                |
| Α            | 7.8               | 3.142          | 100.0                    | N/A                     | 0                |
| S            | 8.6               | 3.142          | 100.0                    | N/A                     | 0                |
| D            | 9.4               | 3.142          | 80.0                     | N/A                     | 0                |
| F            | 10.2              | 3.142          | 100.0                    | N/A                     | 0                |
| G            | 11.0              | 3.142          | 100.0                    | N/A                     | 0                |
| Н            | 11.8              | 3.142          | 100.0                    | N/A                     | 0                |
| J            | 12.6              | 3.142          | 100.0                    | N/A                     | 0                |
| K            | 13.4              | 3.142          | 100.0                    | N/A                     | 0                |
| L            | 14.2              | 3.142          | 100.0                    | N/A                     | 0                |
| 4            | 15.0              | 3.142          | 100.0                    | N/A                     | 0                |
|              | 8.0               | 4.712          | 100.0                    | N/A                     | 0                |
| Z            | 8.8               | 4.712          | 100.0                    | N/A                     | 0                |
| Х            | 9.6               | 4.712          | 80.0                     | N/A                     | 0                |

| С | 10.4 | 4.712 | 100.0 | N/A | 0 |
|---|------|-------|-------|-----|---|
| V | 11.2 | 4.712 | 100.0 | N/A | 0 |
| В | 12.0 | 4.712 | 100.0 | N/A | 0 |
| N | 12.8 | 4.712 | 100.0 | N/A | 0 |
| М | 13.6 | 4.712 | 100.0 | N/A | 0 |
| , | 14.4 | 4.712 | 100.0 | N/A | 0 |
|   | 15.2 | 4.712 | 100.0 | N/A | 0 |
| 1 | 15.8 | 3.142 | 100.0 | N/A | 0 |
| · | 15.4 | 0.0   | 100.0 | N/A | 0 |