| Name   | Nigel Leong 3                          |  |  |  |  |  |
|--|--|--|--|--|--|--|
| 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   | DEBUG                                  |  |  |  |  |  |
| Synchronous Mode                                   | Normal                                 |  |  |  |  |  |
| Feature Extraction                                 | TRCA                                   |  |  |  |  |  |
| Number of Blocks                                   | 6                                      |  |  |  |  |  |
| Data Saved Path                                    | D:\zhengjiahan\uniBrain-Speller\Result |  |  |  |  |  |
| Accuracy (%)                                       | 60.09                                  |  |  |  |  |  |
| ITR (bits/min)                                     | 92.15001594015807                      |  |  |  |  |  |
| Accuracy (%) and ITR (bits/min) over window length | Image not found                        |  |  |  |  |  |
| Commenced Date and Time                            | May 17, 2023, 09:54 PM                 |  |  |  |  |  |
| Total Run Time                                     | 1H 55M 42S                             |  |  |  |  |  |
| 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            | 80.0                     | 100.0                   | 7                |
| 2            | 8.2               | 0.0            | 60.0                     | 100.0                   | 8                |
| 3            | 9.0               | 0.0            | 80.0                     | 100.0                   | 6                |
| 4            | 9.8               | 0.0            | 40.0                     | 50.0                    | 6                |
| 5            | 10.6              | 0.0            | 60.0                     | 100.0                   | 12               |
| 6            | 11.4              | 0.0            | 80.0                     | 50.0                    | 13               |
| 7            | 12.2              | 0.0            | 80.0                     | 50.0                    | 5                |
| 8            | 13.0              | 0.0            | 80.0                     | 33.3                    | 6                |
| 9            | 13.8              | 0.0            | 100.0                    | 100.0                   | 11               |
| 0            | 14.6              | 0.0            | 40.0                     | 0.0                     | 5                |
| $\leftarrow$ | 15.6              | 1.571          | 100.0                    | 50.0                    | 4                |
| Q            | 7.6               | 1.571          | 100.0                    | 100.0                   | 11               |
| W            | 8.4               | 1.571          | 100.0                    | 75.0                    | 12               |
| E            | 9.2               | 1.571          | 60.0                     | 93.8                    | 34               |
| R            | 10.0              | 1.571          | 40.0                     | 100.0                   | 21               |
| Т            | 10.8              | 1.571          | 80.0                     | 77.8                    | 21               |
| Υ            | 11.6              | 1.571          | 100.0                    | 83.3                    | 21               |
| U            | 12.4              | 1.571          | 40.0                     | 57.1                    | 14               |
| I            | 13.2              | 1.571          | 60.0                     | 75.0                    | 18               |
| 0            | 14.0              | 1.571          | 80.0                     | 100.0                   | 13               |
| Р            | 14.8              | 1.571          | 40.0                     | 66.7                    | 12               |
| Α            | 7.8               | 3.142          | 100.0                    | 100.0                   | 25               |
| S            | 8.6               | 3.142          | 80.0                     | 100.0                   | 38               |
| D            | 9.4               | 3.142          | 60.0                     | 62.5                    | 20               |
| F            | 10.2              | 3.142          | 100.0                    | 100.0                   | 14               |
| G            | 11.0              | 3.142          | 40.0                     | 50.0                    | 13               |
| Н            | 11.8              | 3.142          | 40.0                     | 57.1                    | 9                |
| J            | 12.6              | 3.142          | 0.0                      | 0.0                     | 4                |
| K            | 13.4              | 3.142          | 40.0                     | 25.0                    | 5                |
| L            | 14.2              | 3.142          | 40.0                     | 75.0                    | 10               |
| 4            | 15.0              | 3.142          | 60.0                     | 71.4                    | 11               |
|              | 8.0               | 4.712          | 80.0                     | 83.3                    | 13               |
| Z            | 8.8               | 4.712          | 60.0                     | 100.0                   | 9                |
| Х            | 9.6               | 4.712          | 100.0                    | 100.0                   | 8                |

| С | 10.4 | 4.712 | 80.0  | 66.7 | 5  |
|---|------|-------|-------|------|----|
| V | 11.2 | 4.712 | 100.0 | 50.0 | 9  |
| В | 12.0 | 4.712 | 40.0  | 40.0 | 9  |
| N | 12.8 | 4.712 | 100.0 | 33.3 | 12 |
| М | 13.6 | 4.712 | 60.0  | 28.6 | 14 |
| , | 14.4 | 4.712 | 20.0  | 30.0 | 10 |
|   | 15.2 | 4.712 | 80.0  | 83.3 | 21 |
| 1 | 15.8 | 3.142 | 60.0  | 50.0 | 5  |
|   | 15.4 | 0.0   | 20.0  | 12.2 | 12 |