| Name   | Toto   |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Age  | 0  |  |  |  |  |  |
| Gender   | female   |  |  |  |  |  |
| 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 (%)   | 86.98  |  |  |  |  |  |
| ITR (bits/min)   | 167.44   |  |  |  |  |  |
| Accuracy (%) and<br>ITR (bits/min)<br>over window length | TRCA: Accuracy over Window Length  0.75  0.50  0.25  0.2 |  |  |  |  |  |
| Commenced Date and Time                                  | May 14, 2023, 07:37 PM                                   |  |  |  |  |  |
| Total Run Time   | 1H 5M 43S  |  |  |  |  |  |
| 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            | 70.0                     | 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            | 90.0                     | N/A                     | 0                |
| 5           | 10.6              | 0.0            | 70.0                     | N/A                     | 0                |
| 6           | 11.4              | 0.0            | 90.0                     | 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            | 90.0                     | N/A                     | 0                |
| <b>←</b>    | 15.6              | 1.571          | 100.0                    | N/A                     | 0                |
| Q           | 7.6               | 1.571          | 100.0                    | N/A                     | 0                |
| W           | 8.4               | 1.571          | 100.0                    | N/A                     | 0                |
| Е           | 9.2               | 1.571          | 100.0                    | N/A                     | 0                |
| R           | 10.0              | 1.571          | 100.0                    | N/A                     | 0                |
| Т           | 10.8              | 1.571          | 80.0                     | N/A                     | 0                |
| Y           | 11.6              | 1.571          | 40.0                     | N/A                     | 0                |
| U           | 12.4              | 1.571          | 80.0                     | N/A                     | 0                |
| I           | 13.2              | 1.571          | 80.0                     | N/A                     | 0                |
| 0           | 14.0              | 1.571          | 90.0                     | N/A                     | 0                |
| Р           | 14.8              | 1.571          | 100.0                    | 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          | 100.0                    | N/A                     | 0                |
| F           | 10.2              | 3.142          | 90.0                     | N/A                     | 0                |
| G           | 11.0              | 3.142          | 80.0                     | N/A                     | 0                |
| Н           | 11.8              | 3.142          | 90.0                     | N/A                     | 0                |
| J           | 12.6              | 3.142          | 90.0                     | N/A                     | 0                |
| K           | 13.4              | 3.142          | 100.0                    | N/A                     | 0                |
| L           | 14.2              | 3.142          | 90.0                     | N/A                     | 0                |
| 4           | 15.0              | 3.142          | 90.0                     | N/A                     | 0                |
|             | 8.0               | 4.712          | 100.0                    | N/A                     | 0                |
| Z           | 8.8               | 4.712          | 90.0                     | N/A                     | 0                |
| Х           | 9.6               | 4.712          | 100.0                    | 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 | 70.0  | N/A | 0 |
| N | 12.8 | 4.712 | 70.0  | N/A | 0 |
| М | 13.6 | 4.712 | 70.0  | N/A | 0 |
| , | 14.4 | 4.712 | 90.0  | N/A | 0 |
|   | 15.2 | 4.712 | 60.0  | N/A | 0 |
| 1 | 15.8 | 3.142 | 80.0  | N/A | 0 |
|   | 15.4 | 0.0   | 80.0  | N/A | 0 |