Table 5.3 The results of hemispheric activation differences in counting task for subject 7 for three methods of removing EOG .artifacts: FFT technique, RLS adaptive filtering and combination methods

| (Occipital(O1,O2 | | | | | (Parietal(P3,P4 | | | | | (Central (C3,C4 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| βh | βl | α | θ | δ | βh | βl | α | θ | δ | βh | βl | A | θ | Δ | Freq Band |
| Composite Differences | | | | | | | | | | | | | | | method |
| -0.0933 | 0.0053 | 0.0438 | 0.0324 | 0.0079 | 0.0081 | -0.0232 | -0.0166 | 0.0248 | 0.0031- | 0.0365 | 0.0142- | 0.0173 | 0.0288 | 0.0252 | FFT |
| -0.0893 | -0.1042 | -0.0332 | 0.0496 | 0.0268 | -0.0262 | 0.0040 | -0.0343 | 0.0084 | 0.0121 | -0.0140 | 0.0220 | 0.0023 | 0.0270 | 0.0340 | RLS |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0333 | -0.0128 | -0.0127 | 0.1925 | 0.0463 | 0.0618 | 0.0385 | 0.0540 | 0.1371 | 0.0227 | 0.1435 | 0.1216 | 0.0871 | 0.1368 | 0.0149- | combination |