

**Supplementary Table 1.** Summary of repeated-measures analysis of variance for power spectral density in overall subjects

| Factors                        | df    | Delta  |          | Theta  |          | Alpha  |          | Beta   |          |
|--------------------------------|-------|--------|----------|--------|----------|--------|----------|--------|----------|
|                                |       | F      | <i>p</i> | F      | <i>p</i> | F      | <i>p</i> | F      | <i>p</i> |
| Brightness                     | 1, 43 | 0.715  | 0.403    | 0.149  | 0.701    | 0.355  | 0.554    | 0.036  | 0.851    |
| Color temperature              | 1, 43 | 0.132  | 0.718    | 2.682  | 0.179    | 0.023  | 0.881    | 1.742  | 0.194    |
| Region                         | 2, 86 | 8.802  | 0.002**  | 12.470 | <0.001** | 41.218 | <0.001** | 11.052 | <0.001** |
| Brightness×group               | 1, 43 | 3.596  | 0.065    | 4.704  | 0.036*   | 2.220  | 0.144    | 0.235  | 0.630    |
| Color temperature×group        | 1, 43 | 1.870  | 0.179    | 3.167  | 0.082    | 0.726  | 0.399    | 1.820  | 0.184    |
| Region×group                   | 2, 86 | 15.631 | <0.001** | 20.839 | <0.001** | 2.980  | 0.074    | 19.401 | <0.001** |
| Brightness×region×group        | 2, 86 | 2.613  | 0.093    | 1.344  | 0.265    | 1.587  | 0.216    | 1.725  | 0.194    |
| Color temperature×region×group | 2, 86 | 0.267  | 0.689    | 1.082  | 0.334    | 0.291  | 0.659    | 1.549  | 0.222    |
| Group                          | 1, 43 | 0.950  | 0.335    | 1.559  | 0.219    | 2.506  | 0.121    | 1.036  | 0.315    |

\* $p < 0.05$ , \*\* $p < 0.01$ . df: degree of freedom