

S2 Table. Results of ANOVA tests for spectral power analysis. The table shows the complete results of the multiway ANOVA tests performed on spectral power in the two groups (cathodal and anodal) and conditions (rest or motor imagery). The factors included in the analysis were *time*, *stimulation*, *frequency band*, *subject* (between-subject factors) and *electrodes* (within-subject factor).

CATHODAL				ANODAL			
condition: “reference”				condition: “reference”			
Factor	F-value	df	p-value	Factor	F-value	df	p-value
<i>Time</i>	49.9	2	$2.7 \cdot 10^{-22}$	<i>Time</i>	8.81	2	$1.5 \cdot 10^{-4}$
<i>Stimulation</i>	0.79	1	0.37	<i>Stimulation</i>	27.3	1	$1.7 \cdot 10^{-7}$
<i>Frequency band</i>	88.1	3	$2.7 \cdot 10^{-56}$	<i>Frequency band</i>	3.74	3	0.011
<i>Subject</i>	117	9	$1.3 \cdot 10^{-109}$	<i>Subject</i>	22.2	9	$1.7 \cdot 10^{-38}$
<i>Electrodes</i>	41.3	11	$2.9 \cdot 10^{-90}$	<i>Electrodes</i>	9.45	11	$2.9 \cdot 10^{-17}$
<i>Time</i> × <i>stimulation</i>	0.34	2	0.72	<i>Time</i> × <i>stimulation</i>	21.7	2	$3.7 \cdot 10^{-10}$
condition: “motor imagery”				condition: “motor imagery”			
Factor	F-value	df	p-value	Factor	F-value	df	p-value
<i>Time</i>	62.6	2	$9.3 \cdot 10^{-28}$	<i>Time</i>	26.6	2	$1.9 \cdot 10^{-13}$
<i>Stimulation</i>	1.98	1	0.16	<i>Stimulation</i>	90.2	1	$1.9 \cdot 10^{-21}$
<i>Frequency band</i>	157	3	$2.2 \cdot 10^{-99}$	<i>Frequency band</i>	30.2	3	$2.0 \cdot 10^{-19}$
<i>Subject</i>	237	9	0	<i>Subject</i>	33.5	9	$1.0 \cdot 10^{-58}$
<i>Electrodes</i>	109	11	$1.4 \cdot 10^{-249}$	<i>Electrodes</i>	64.3	11	$4.1 \cdot 10^{-144}$
<i>Time</i> × <i>stimulation</i>	3.52	2	0.029	<i>Time</i> × <i>stimulation</i>	26.5	2	$7.2 \cdot 10^{-14}$