

Table S4. Gamma power.

Band		Basal	Saline	FG-7142	DBS1	DBS2	DBS3	DBS4	DBS5	POST-DBS
Low Gamma	dHPC	1.205 ± 0.024	1.196 ± 0.033	1.236 ± 0.026	<b>1.590 ± 0.040***</b>	<b>1.679 ± 0.066***</b>	<b>1.684 ± 0.059***</b>	<b>1.723 ± 0.064***</b>	<b>1.651 ± 0.065***</b>	<b>1.521 ± 0.056***</b>
	iHPC	2.208 ± 0.084	2.258 ± 0.080	2.570 ± 0.097	<b>2.752 ± 0.100***</b>	<b>2.780 ± 0.098***</b>	<b>2.848 ± 0.101***</b>	<b>2.939 ± 0.129***</b>	<b>2.747 ± 0.078***</b>	<b>2.596 ± 0.078***</b>
	vHPC	1.641 ± 0.060	1.609 ± 0.061	1.620 ± 0.055	<b>2.007 ± 0.081***</b>	<b>1.991 ± 0.095***</b>	<b>1.989 ± 0.084***</b>	<b>2.040 ± 0.081***</b>	<b>2.000 ± 0.093***</b>	<b>2.114 ± 0.081***</b>
	BLA	1.332 ± 0.041	1.319 ± 0.047	1.357 ± 0.056	<b>1.700 ± 0.074***</b>	<b>1.761 ± 0.073***</b>	<b>1.753 ± 0.065***</b>	<b>1.732 ± 0.068***</b>	<b>1.771 ± 0.059***</b>	<b>1.719 ± 0.071***</b>
Mid Gamma	dHPC	0.744 ± 0.047	0.737 ± 0.047	0.741 ± 0.041	<b>1.247 ± 0.052***</b>	<b>1.298 ± 0.045***</b>	<b>1.340 ± 0.064***</b>	<b>1.341 ± 0.064***</b>	<b>1.338 ± 0.060***</b>	<b>1.240 ± 0.072***</b>
	iHPC	1.747 ± 0.075	1.768 ± 0.072	1.772 ± 0.073	1.737 ± 0.076	1.695 ± 0.073	1.698 ± 0.081	1.724 ± 0.080	1.712 ± 0.075	1.694 ± 0.080
	vHPC	0.801 ± 0.046	0.822 ± 0.052	<b>0.861 ± 0.050***</b>	<b>1.494 ± 0.087***</b>	<b>1.525 ± 0.089***</b>	<b>1.501 ± 0.070***</b>	<b>1.515 ± 0.070***</b>	<b>1.456 ± 0.077***</b>	<b>1.416 ± 0.077***</b>
	BLA	0.662 ± 0.048	0.676 ± 0.049	<b>0.822 ± 0.060***</b>	<b>1.079 ± 0.064***</b>	<b>0.976 ± 0.056***</b>	<b>1.084 ± 0.070***</b>	<b>1.054 ± 0.070***</b>	<b>1.088 ± 0.067***</b>	<b>1.082 ± 0.073***</b>
High Gamma	dHPC	0.598 ± 0.034	0.611 ± 0.033	0.596 ± 0.036	<b>0.881 ± 0.075***</b>	<b>0.843 ± 0.093***</b>	<b>0.732 ± 0.049***</b>	<b>0.801 ± 0.071***</b>	<b>0.830 ± 0.082***</b>	<b>0.711 ± 0.052***</b>
	iHPC	1.011 ± 0.066	1.039 ± 0.066	1.002 ± 0.078	<b>1.308 ± 0.078***</b>	<b>1.252 ± 0.070***</b>	<b>1.255 ± 0.074***</b>	<b>1.287 ± 0.063***</b>	<b>1.215 ± 0.080***</b>	<b>1.145 ± 0.078***</b>
	vHPC	0.523 ± 0.055	0.553 ± 0.043	<b>0.803 ± 0.052***</b>	<b>1.103 ± 0.089***</b>	<b>1.145 ± 0.085***</b>	<b>1.140 ± 0.071***</b>	<b>1.104 ± 0.068***</b>	<b>1.103 ± 0.059***</b>	<b>1.131 ± 0.068***</b>
	BLA	0.576 ± 0.053	0.583 ± 0.053	0.554 ± 0.058	<b>1.019 ± 0.052***</b>	<b>0.813 ± 0.034***</b>	<b>0.974 ± 0.054***</b>	<b>0.906 ± 0.056***</b>	<b>0.943 ± 0.054***</b>	<b>0.790 ± 0.052***</b>

Note: Mean ± se (bold: statistical significance in pairwise comparisons to basal period \*\*\* p<0.001)