

Region of the Brain	Frequency	Brain Wave	Neurotransmitter	Functions	Visual Component
Frontal Lobe	14-30 Hz	Beta	Dopamine	Executive Mental	Saccades, Anti-saccades
Basal Ganglia	70- 90 Hz	High Gamma	N/A	Movement Disorders	
Parietal Lobe	9 - 13 Hz	Alpha	Acetylcholine	Spatial	Pursuits, Pen localization/ CAP, Nose to finger moving
Temporal Lobe	4 - 8 Hz	Theta	Gaba	Auditory, Language, Emotional	Memory Saccades
Occipital Lobe	.5-4 Hz	Delta	Serotonin	Ventral	Visual Processing
Cerebellum	38 - 40 Hz	Gamma	N/A	Rhythm/ Timing	Hypo/ Hypermetric, Ataxic gait
Brainstem (Inferior Colliculous)	30 - 40 Hz/ 1 - 4 Hz	Delta	N/A	Reflexives	Pupil Size, Primitive reflexes