Supplementary Material S6. Included evidence in SR with EEG waves and measurement units

#	Author	Waves	Units
1	Armitage et al (2000)	Delta (0.5–<4 Hz)	▪ Delta power and amplitude
2	Armitage (1995)	Delta (0.5–<4 Hz) Theta (4–<8 Hz) Alpha (8–<12 Hz) Sigma (12–<16 Hz) Beta (16–32 Hz)	▪ Delta and beta half wave zero cross ▪ Delta, theta and alpha power ▪ Delta amplitude
3	Baker et al (2012)	Delta (0.3–<4 Hz) Theta (4–<8 Hz) Alpha (8–<12 Hz) Sigma (12–<15 Hz) Beta (15–<23 Hz)	▪ Theta and delta power
4	Campbell et al (2012)	Delta (1–4 Hz) Theta (4–8 Hz)	▪ Theta and delta power
5	Campbell et al (2005)	Delta (0.3–4 Hz), 0.5–50Hz categories	▪ Delta power, density & power density amplitude ▪ Differences of power density of frequencies from 0.3 to 50 Hz ▪ Power density
6	Carrier et al (2011)	Between 1 and 4 Hz <4 Hz	▪ Focuses on slow wave, however can infer as delta wave ▪ Voltage
7	Carrier et al (2001)	0.25–32z bins were collapsed into 1–Hz frequency ranges (1 Hz: 0.25–1.00 Hz, 2 Hz: 1.25–2.00 Hz, 3 Hz: 2.25–3.00 Hz, etc.) Sigma (not consistent starting value 14.25–16.00 Hz / 11–16Hz)	▪ Mean power spectral density differences
8	Dijk et al (1989)	0.25–15Hz	▪ Power density

9	Feinberg et al (2006)	Delta (0.3–3 Hz, 4 Hz)	▪ Delta power density
10	Fukuda et al (1999)	Delta (0.5–2 Hz, 2–4 Hz)	▪ Power
11	Kluge et al (2010)	Delta (0.5–4 Hz) Theta (4.5–8 Hz) Alpha (8.5–12 Hz) Sigma (12.5–16 Hz) Beta (16–20 Hz)	▪ Power spectra
12	Latta et al (2005)	Delta (0.5 to 4 Hz) Alpha (8.5–12 Hz)	▪ Absolute, relative, and normalized activity for both waves
13	Ma et al (2011)	Delta (0.5–4.25 Hz) Theta (4.25–8 Hz) Alpha (8–12 Hz) Sigma (12–15 Hz) Beta (15– 32.5 Hz)	▪ Power density, frequency, power spectral density ratio
14	Markovic et al (2020)	Delta (1–4.6 Hz) Theta (4.8–7.8 Hz) Alpha (8–10.8 Hz) Sigma (11–16 Hz) Beta 1 (16.2–20 Hz) Beta 2 (20.2–24 Hz) Gamma 1 (24.2–34 Hz) Gamma 2 (34.2–44 Hz)	▪ Power, amplitude, frequency, and density
15	Mongrain	Delta (0.75–4 Hz) Theta (4–8 Hz) Alpha (8–12 Hz) Low sigma (12–14 Hz) High sigma (14–16 Hz) Beta (16–24 Hz)	▪ Power, spectral power
16	Ringli et al (2013)	Delta wave (0.75–4.5 Hz)	▪ Power

17	Ricci et al (2021)	Sigma (11–16 Hz specifically 11.33 to 14.84 Hz)	▪ Power, change
18	Ujma et al (2019)	Sigma (13.5–14.5Hz) Alpha/low sigma (10.25–11.75 Hz) Beta (15.75–27.25 Hz)	▪ Connectivity
19	Yoon et al (2021)	Delta (0.75–4 Hz) Theta (4–8 Hz) Alpha (8–12 Hz) Sigma (12–14 Hz) Beta (14–30 Hz)	▪ Spectral power