

Subject Information

Name:	Hts HBL, Mark
Subject ID:	0029
Date of Birth:	04/24/1972
Age:	42.39
Gender:	Male
Handedness:	Left
EEG ID:	0029
Date of Test:	09/16/2014
Time of Test:	11:28:10
Technician:	Alison Ooms LCPC
Eyes Condition:	Eyes Closed
Clinician:	James A. Kowal, Ph.D., BCN
Medication:	
Comments:	

Technical Information

Record Length: 10:05

Edit Length: 04:05

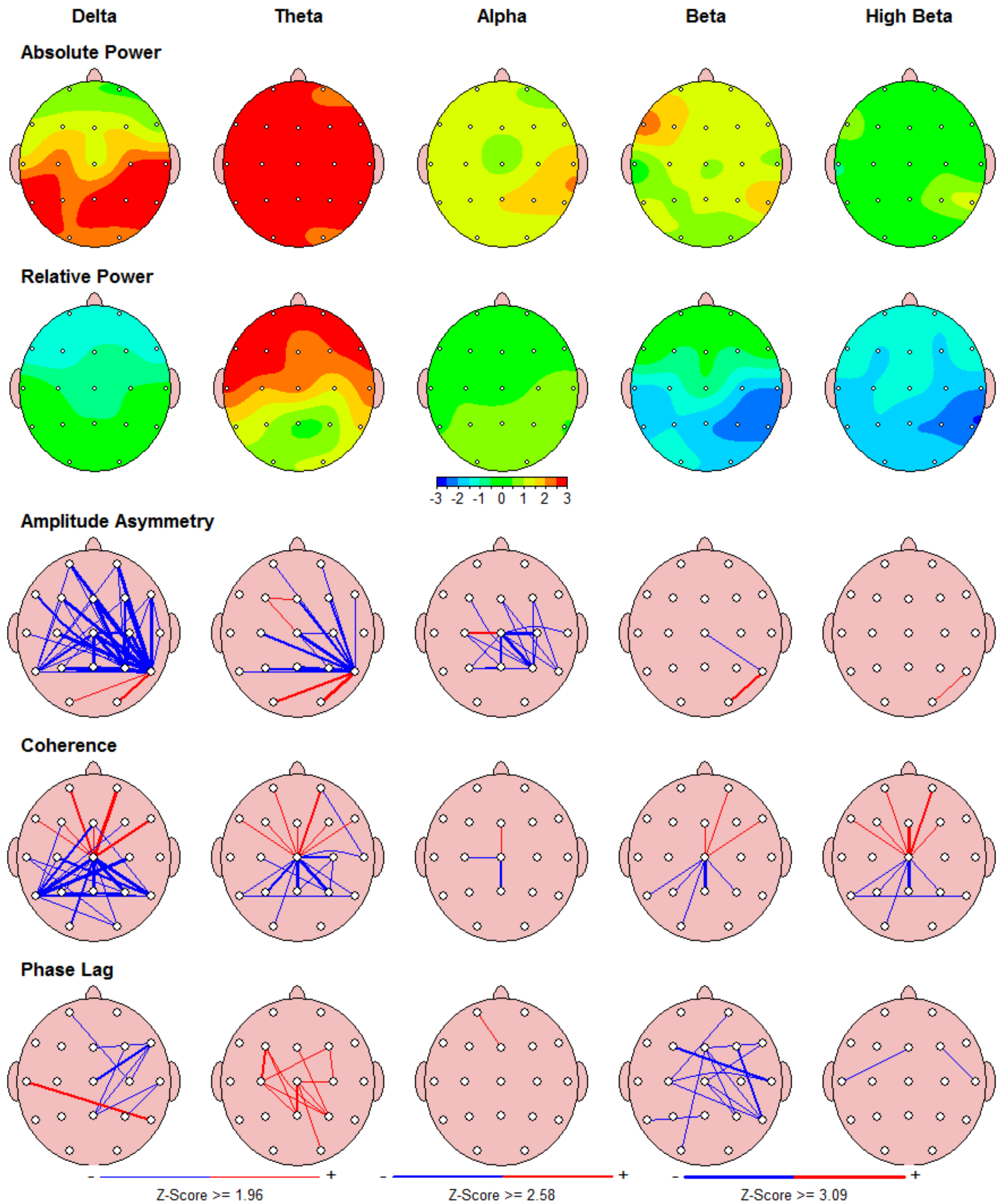
Reliability:

	Split Half	Test Retest
Average	0.97	0.97
FP1	0.98	0.98
FP2	0.98	0.98
F7	0.97	0.97
F3	0.96	0.96
Fz	0.96	0.97
F4	0.97	0.98
F8	0.99	0.99
T3	0.97	0.98
C3	0.96	0.94
Cz	0.96	0.97
C4	0.97	0.95
T4	0.97	0.95
T5	0.99	0.98
P3	0.97	0.97
Pz	0.97	0.97
P4	0.96	0.98
T6	0.97	0.98
O1	0.99	1.00
O2	0.98	1.00

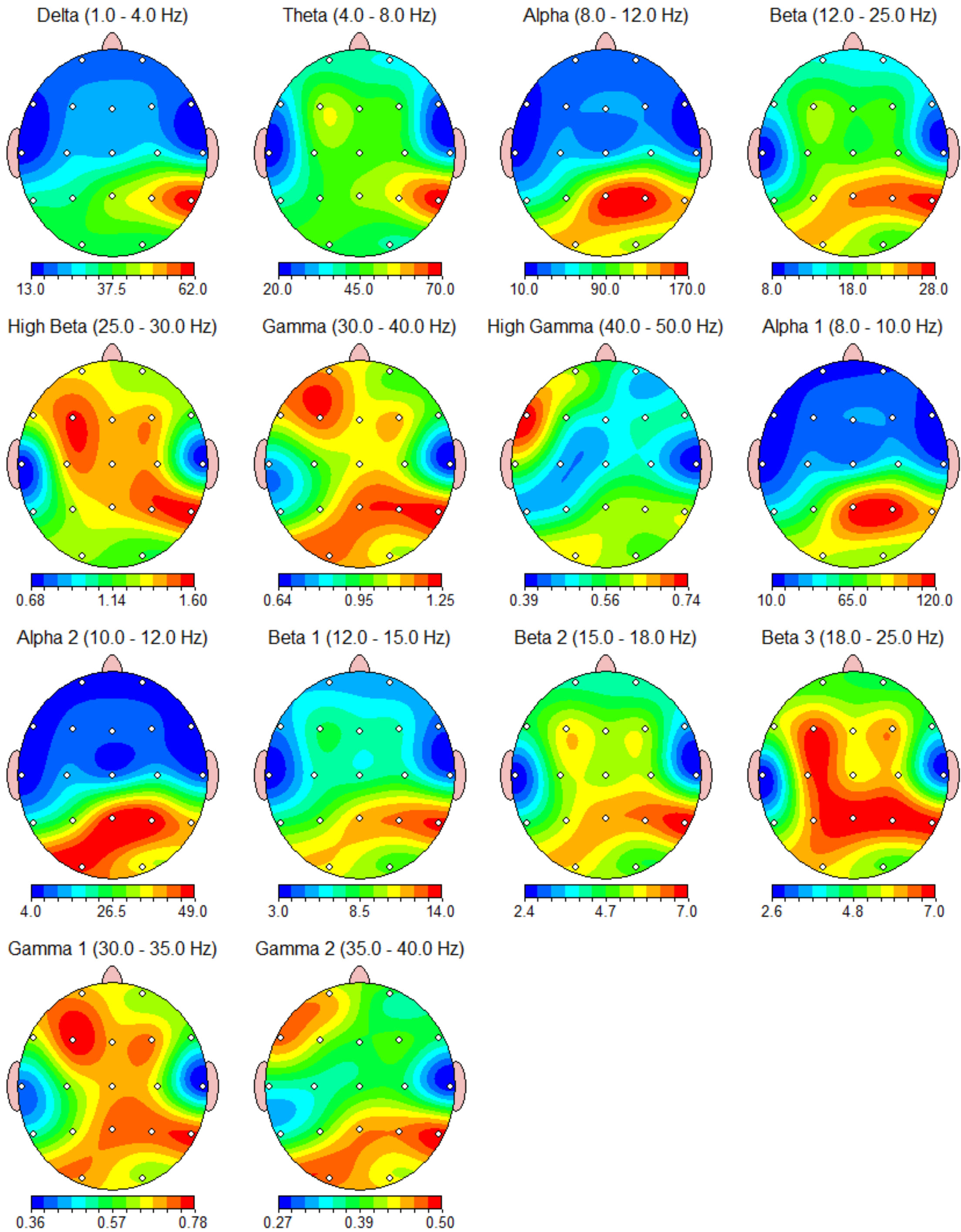
Sampling Rate: 128

Collection Hardware: Deymed

Z Scored FFT Summary Information

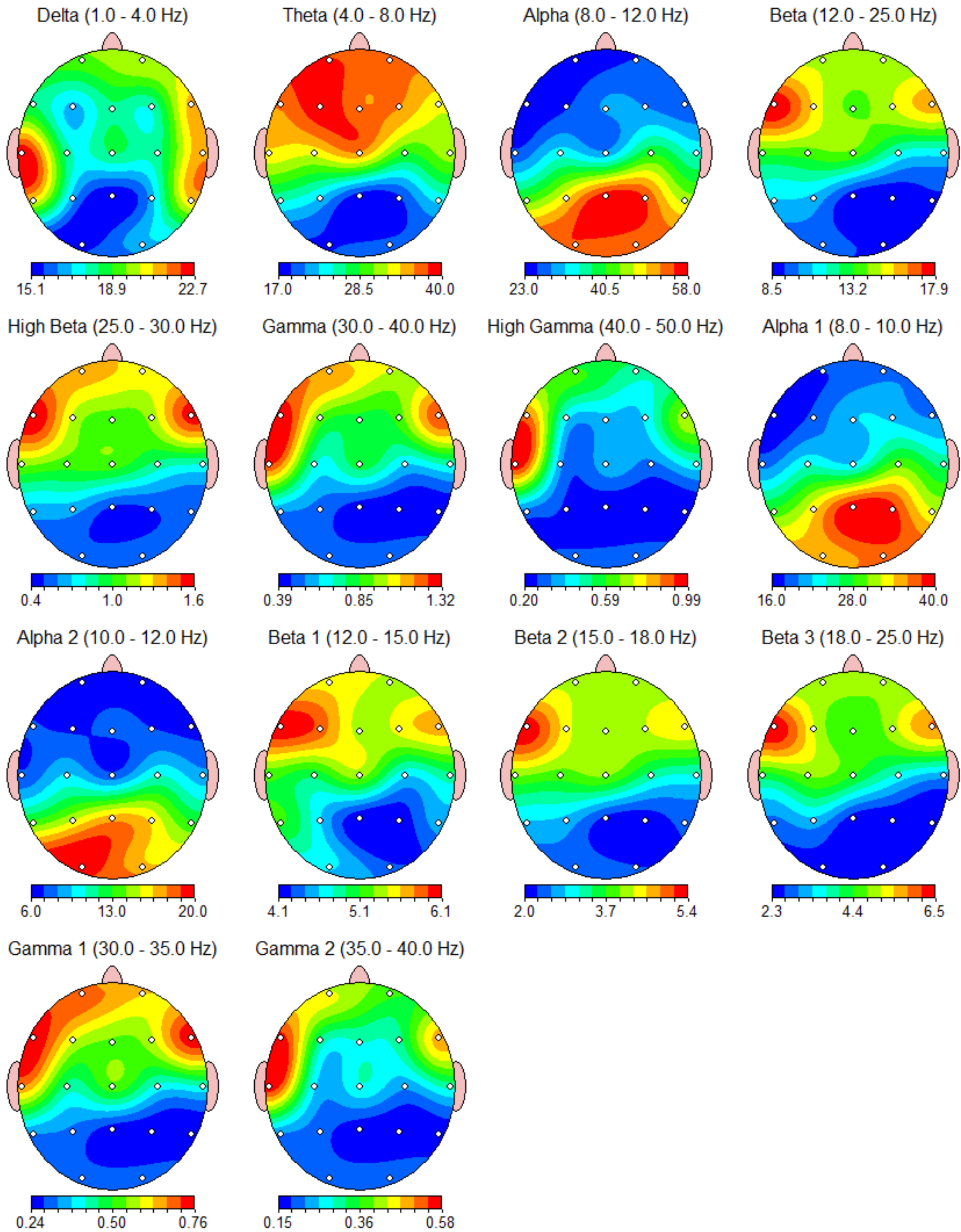


FFT Absolute Power (uV Sq)

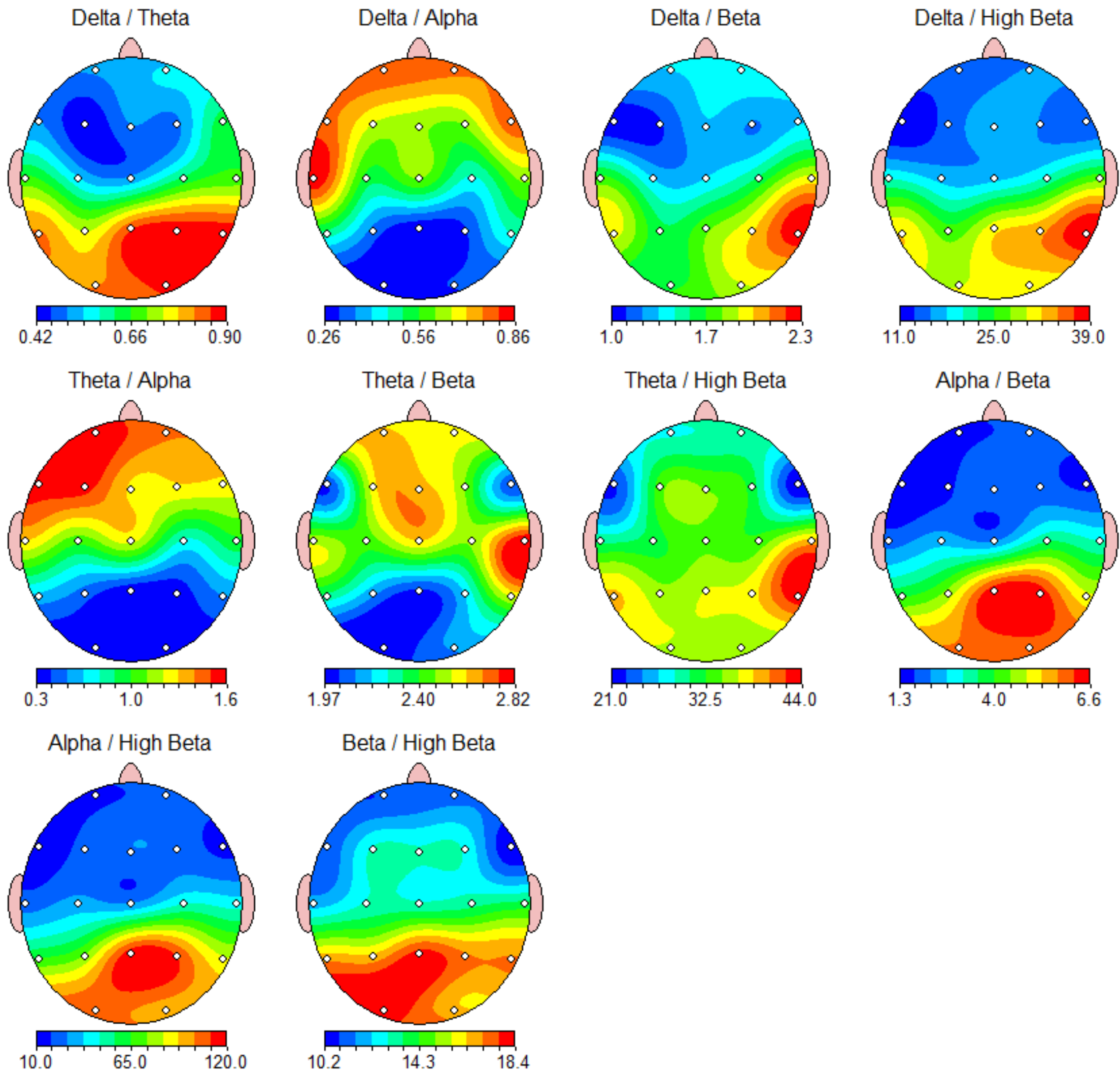


FFT Relative Power (%)

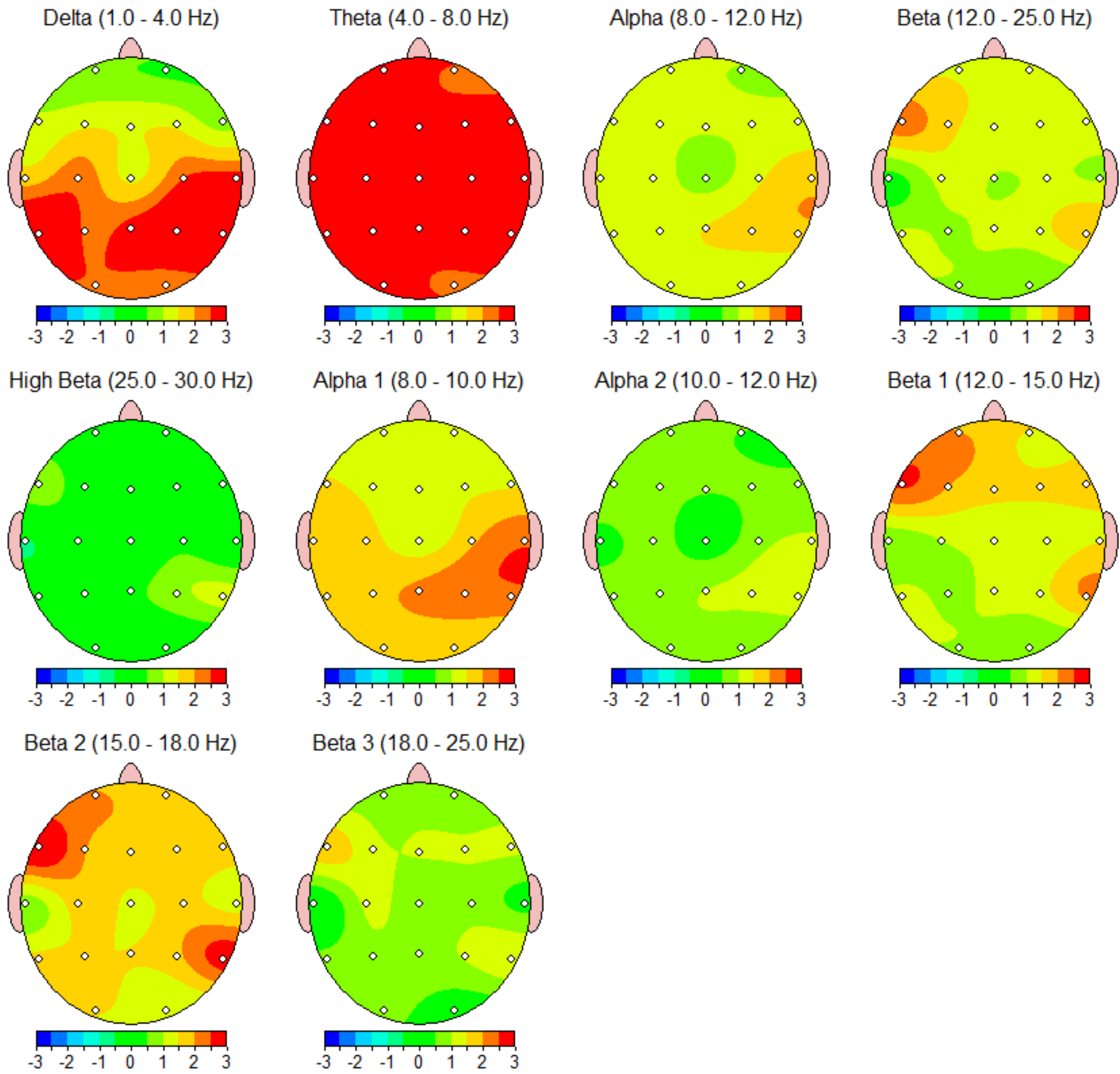
Warning: Absolute power must be consulted to interpret relative power.



FFT Power Ratio

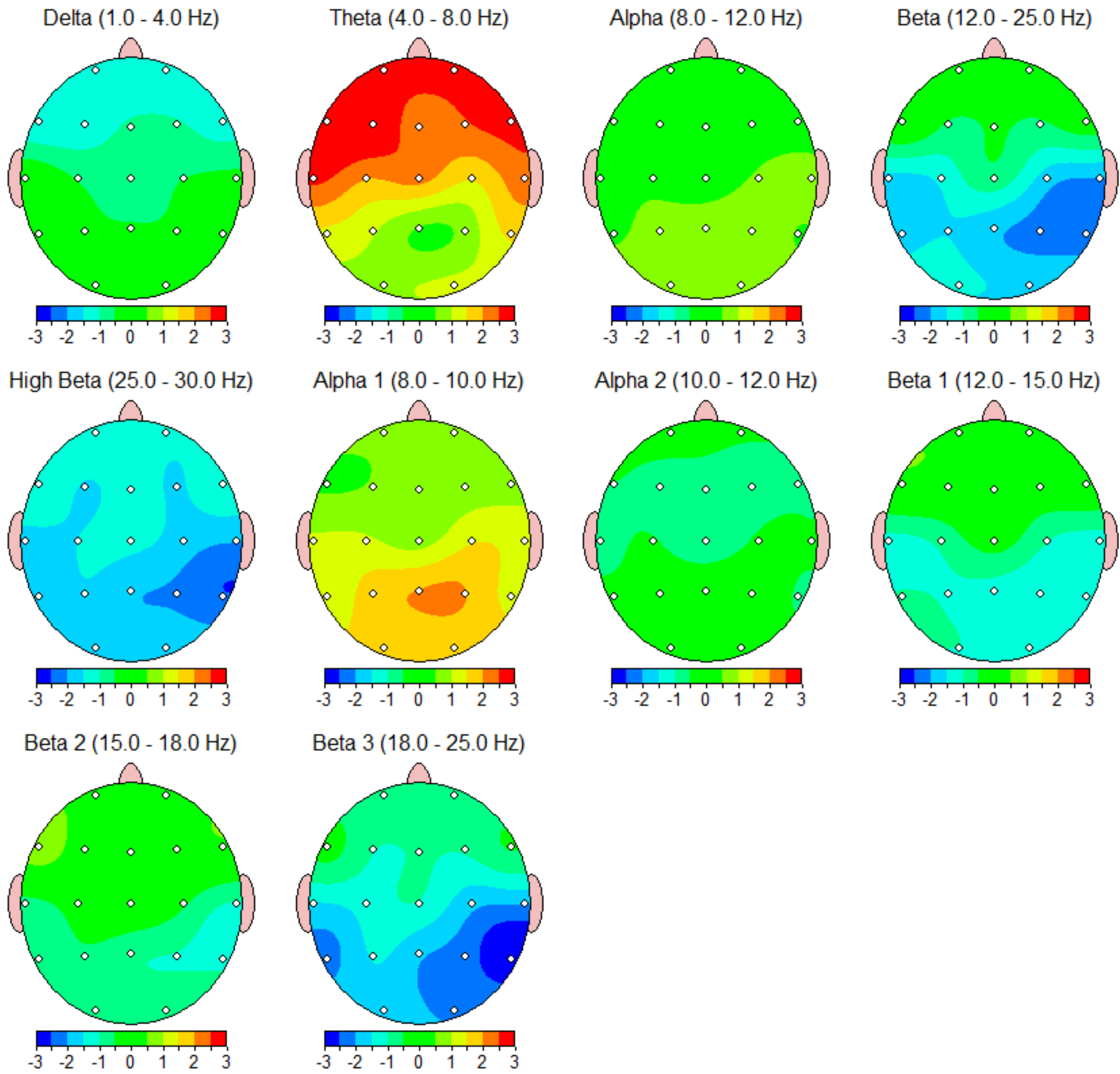


Z Scored FFT Absolute Power

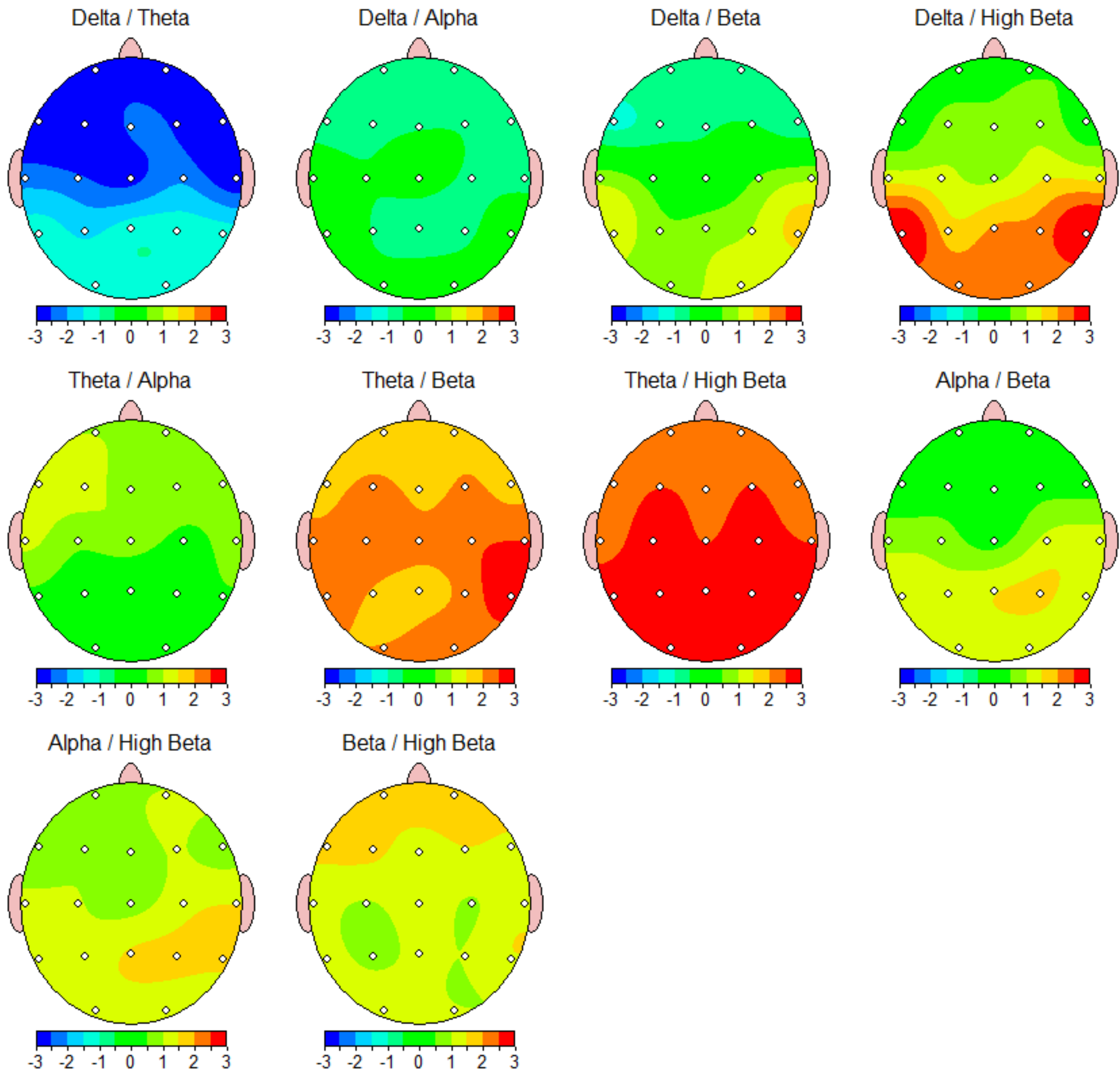


Z Scored FFT Relative Power

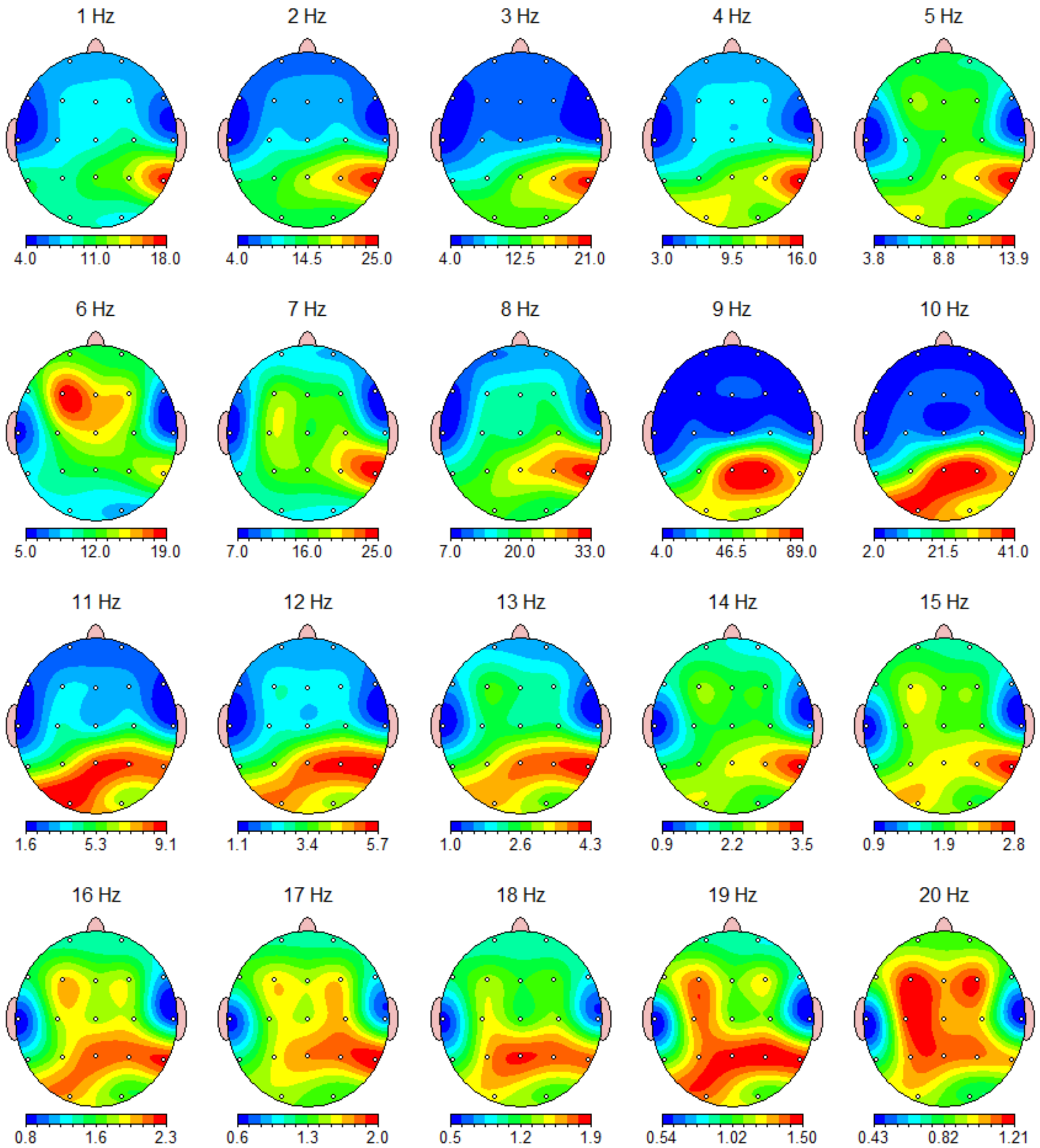
Warning: Absolute power must be consulted to interpret relative power.



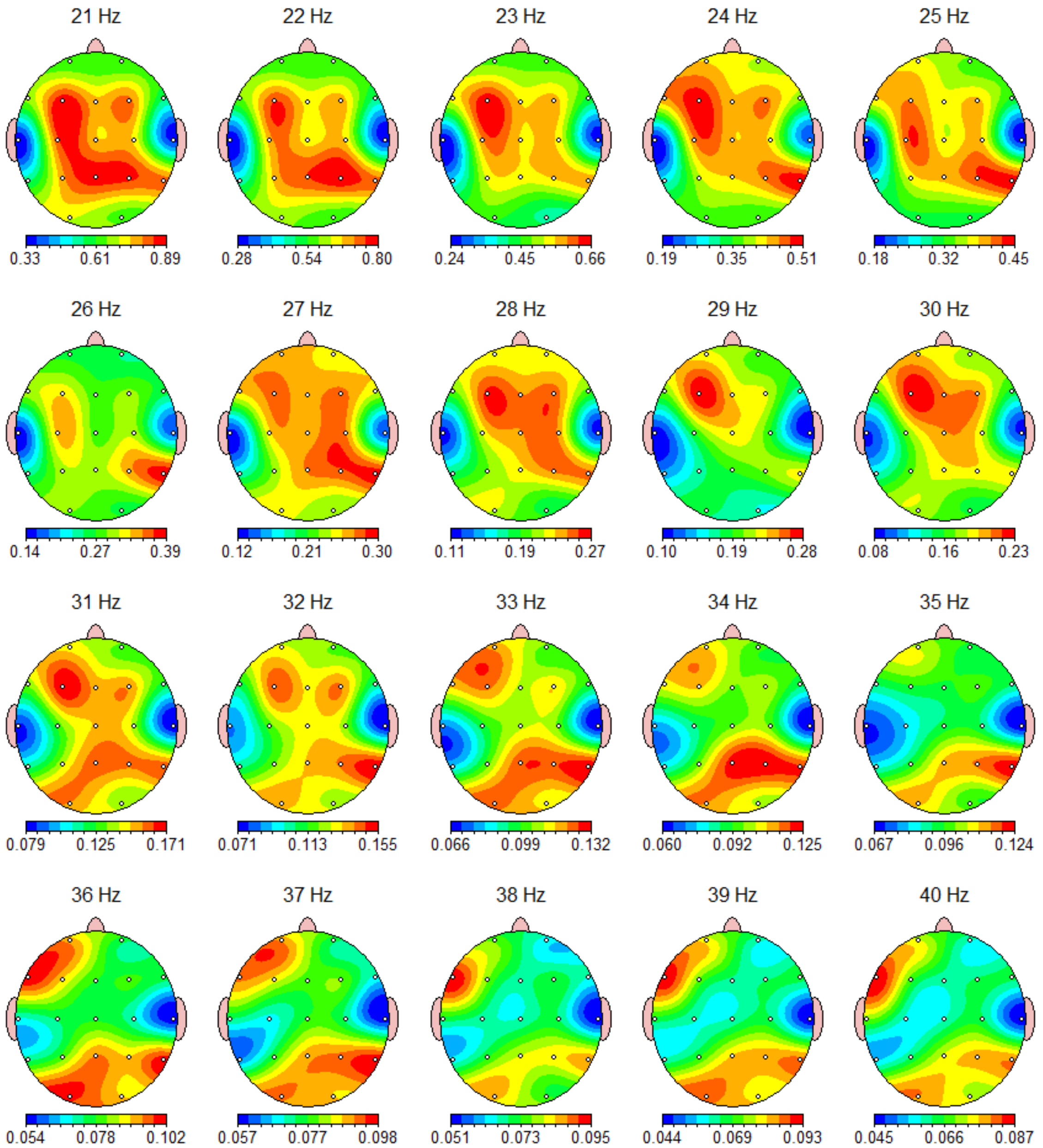
Z Scored FFT Power Ratio



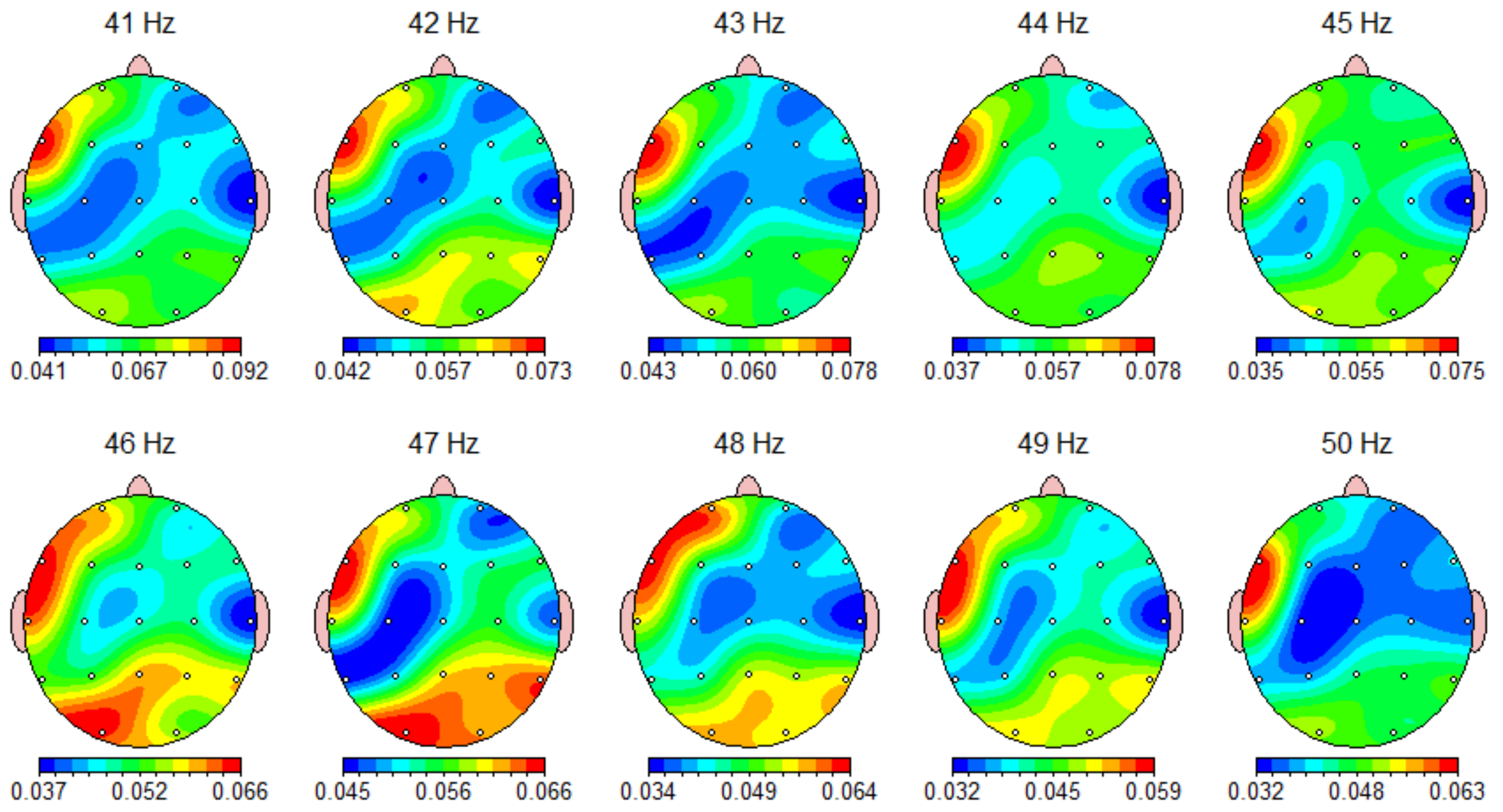
FFT Absolute Power (uV Sq)



FFT Absolute Power (uV Sq)

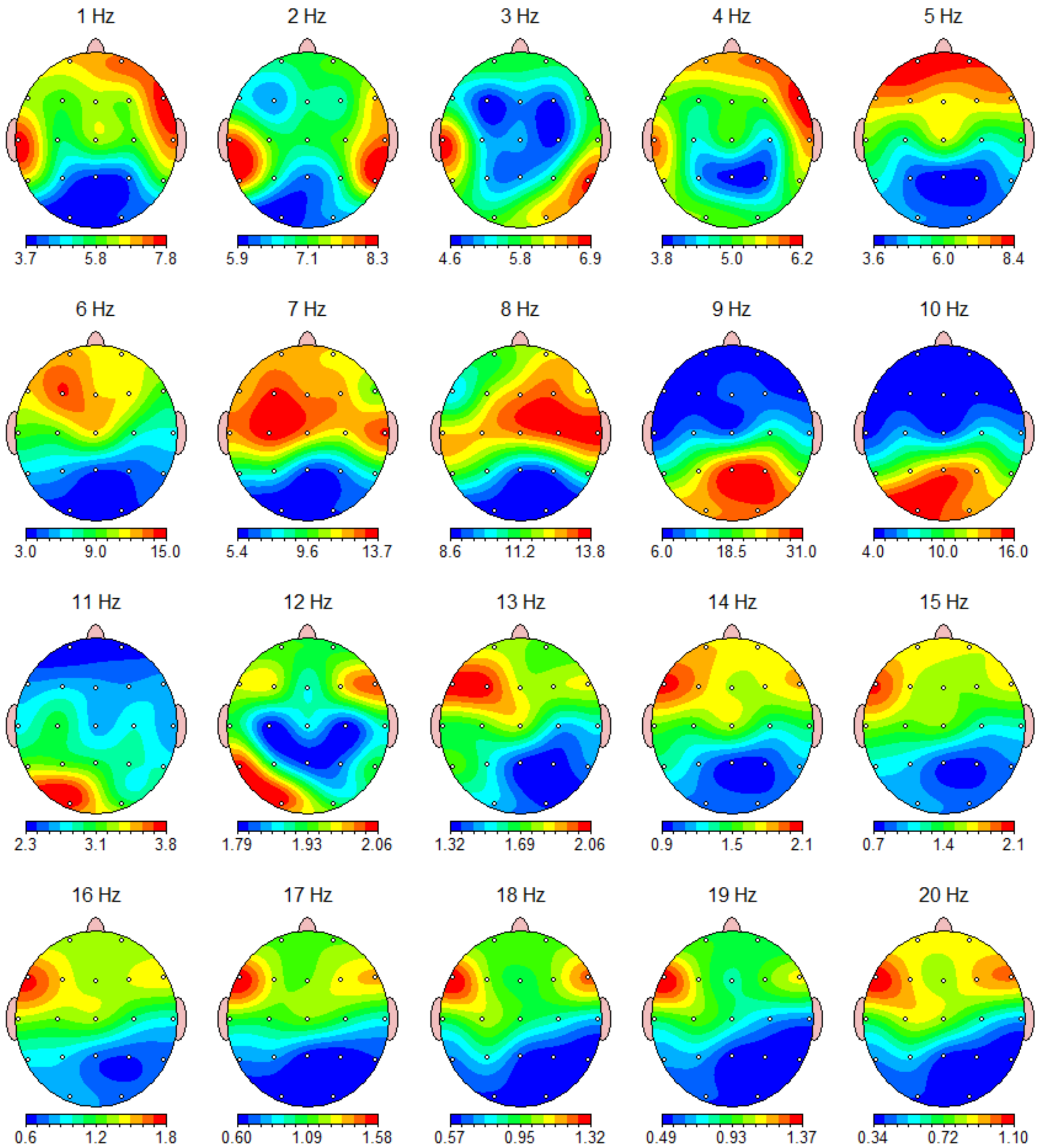


FFT Absolute Power (uV Sq)



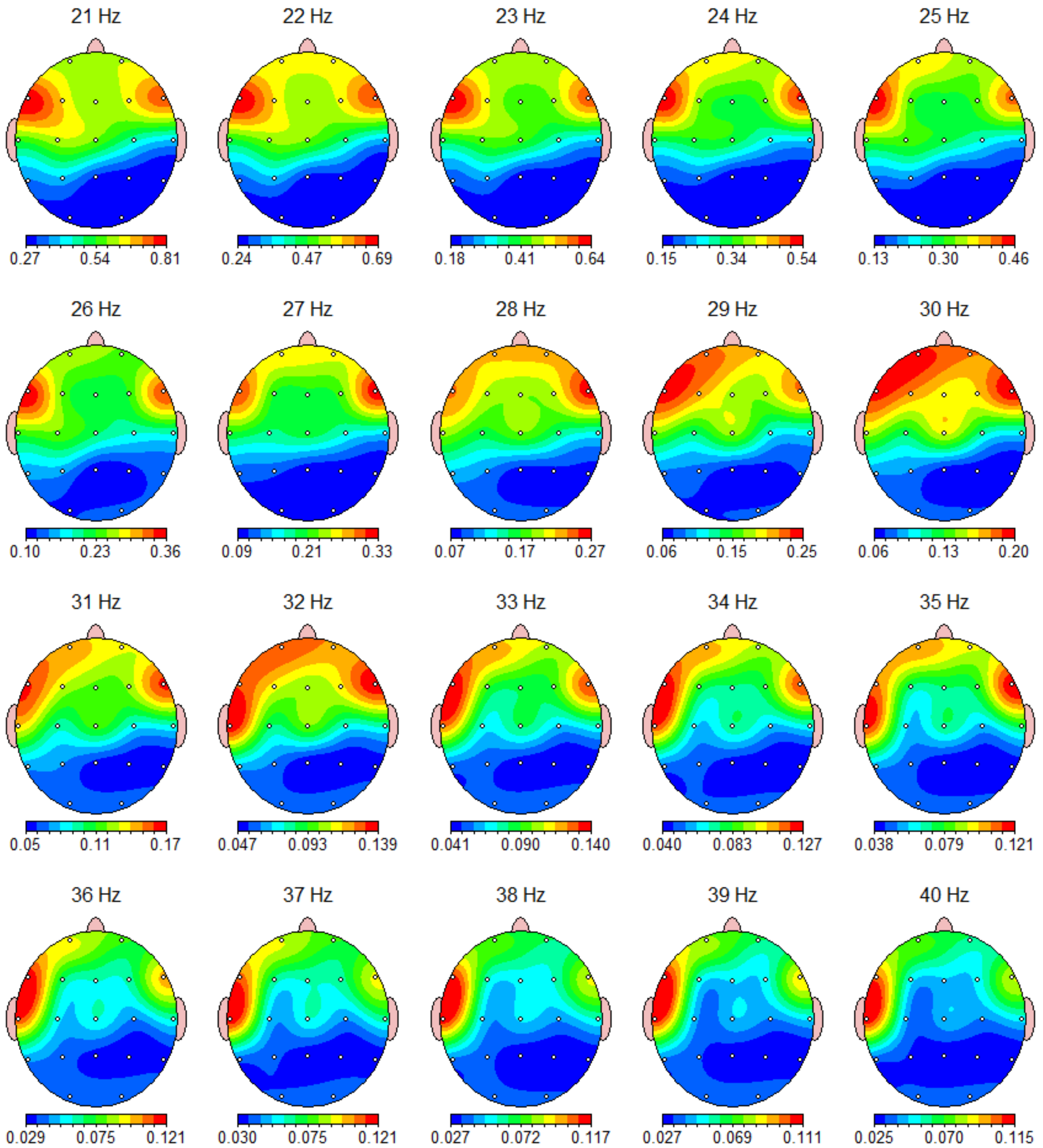
FFT Relative Power (%)

Warning: Absolute power must be consulted to interpret relative power.



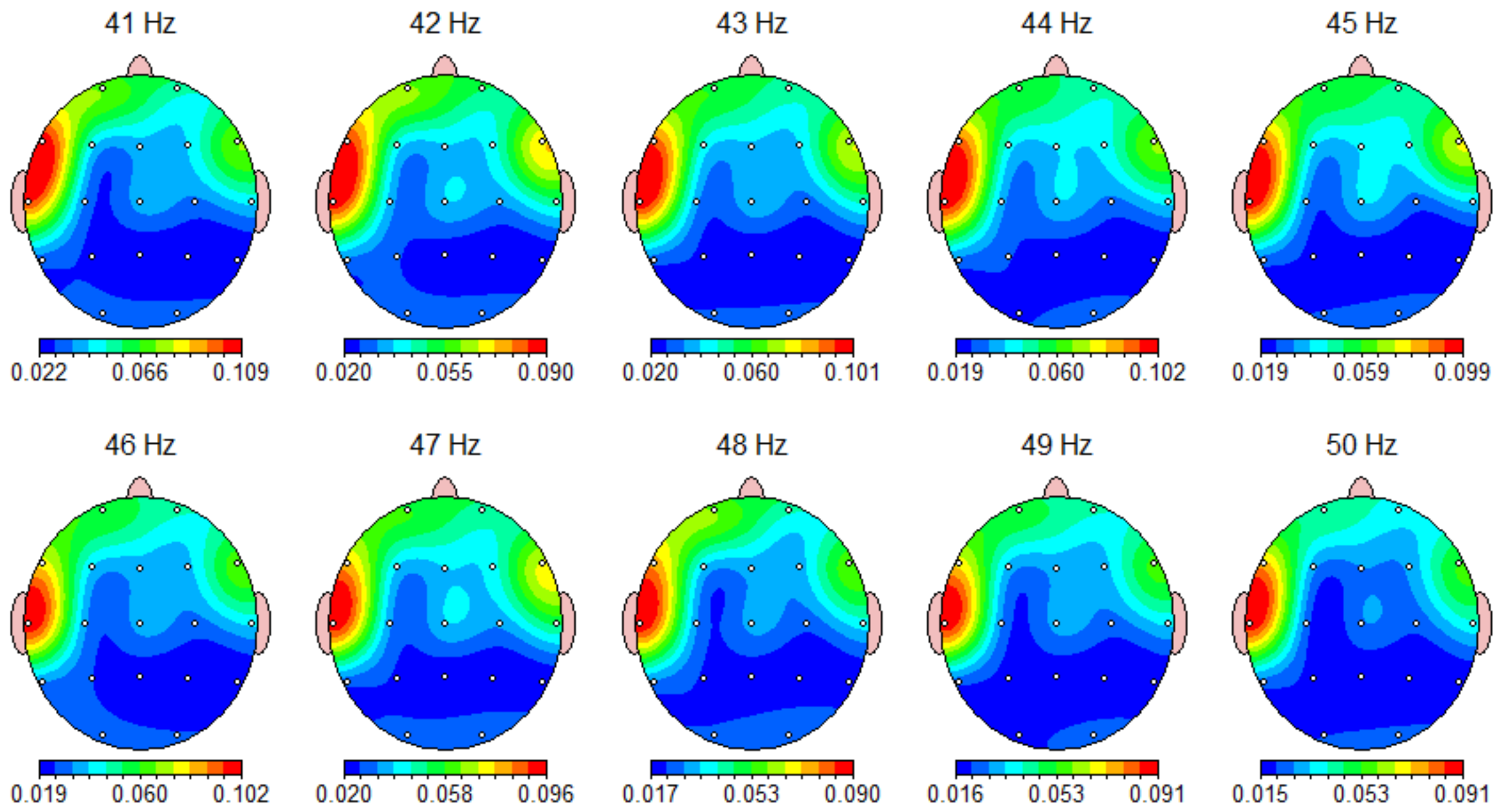
FFT Relative Power (%)

Warning: Absolute power must be consulted to interpret relative power.

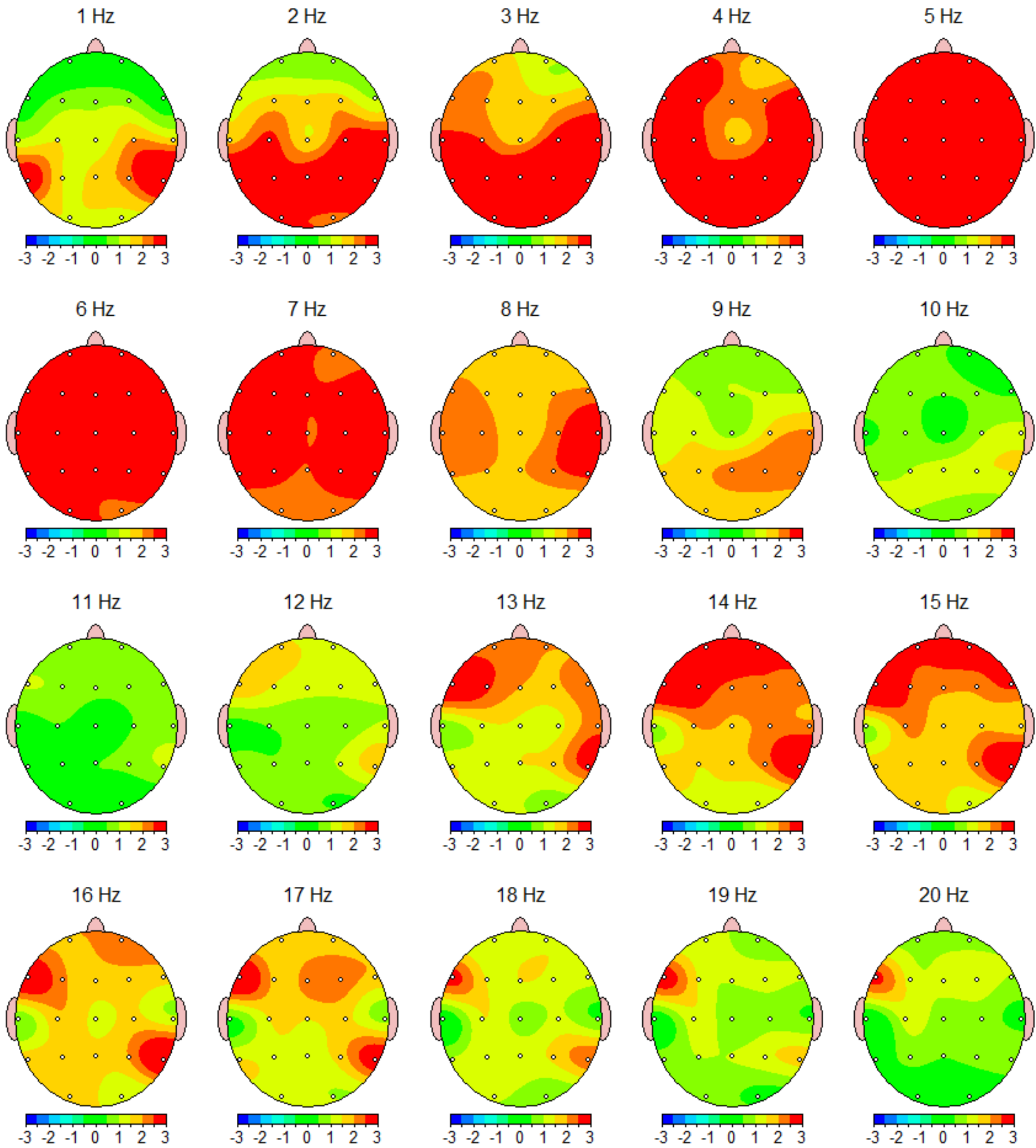


FFT Relative Power (%)

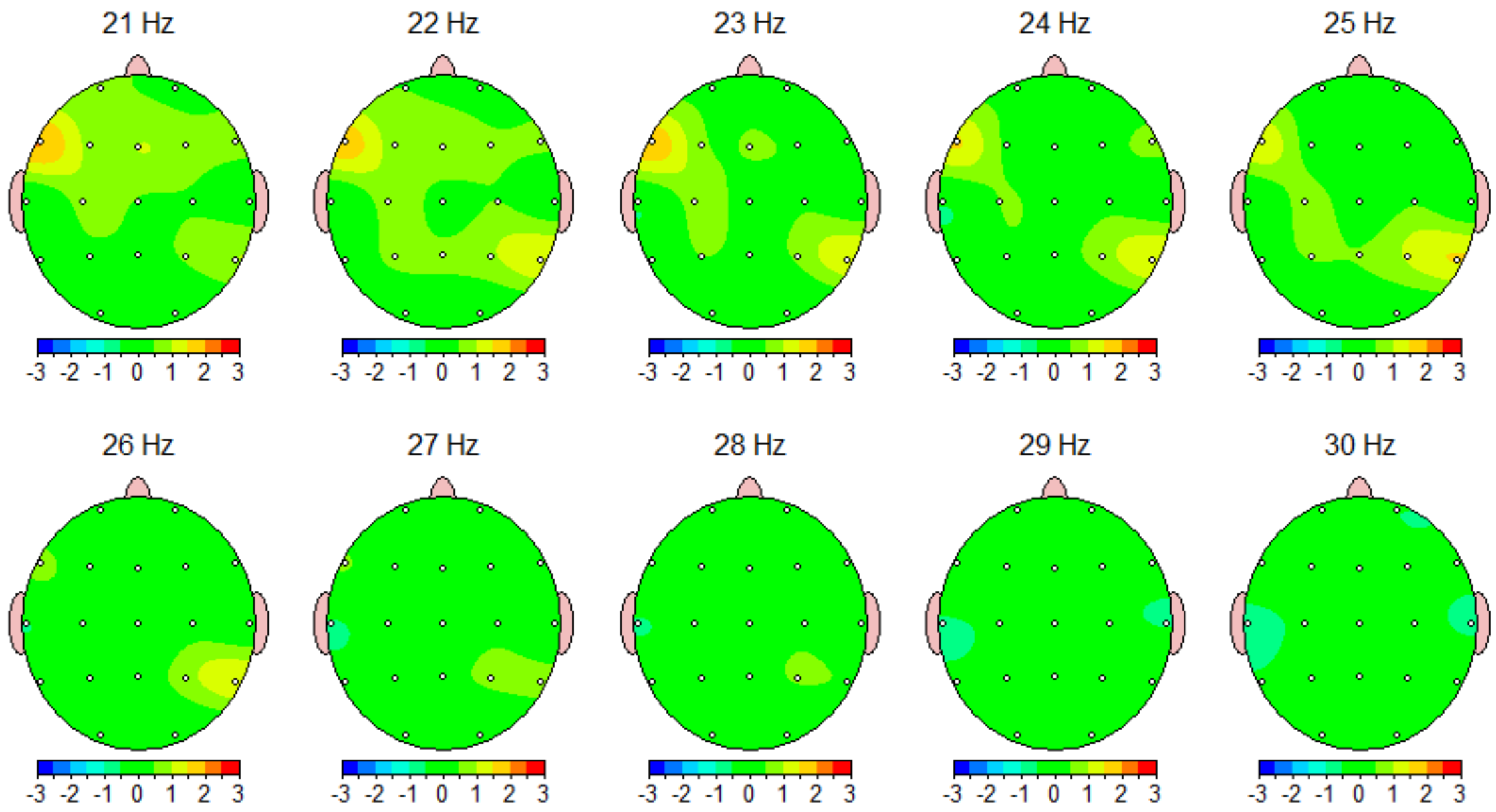
Warning: Absolute power must be consulted to interpret relative power.



Z Scored FFT Absolute Power

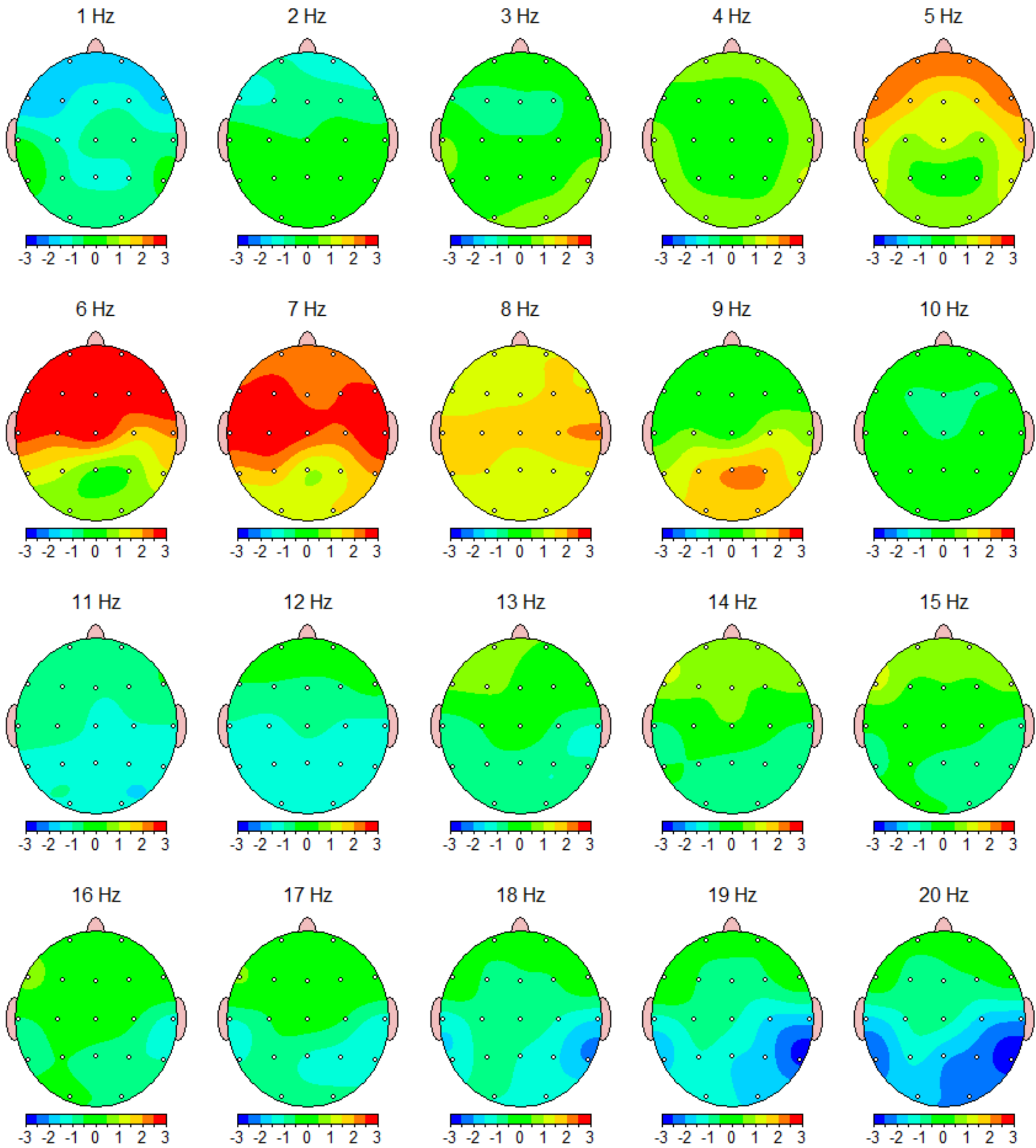


Z Scored FFT Absolute Power



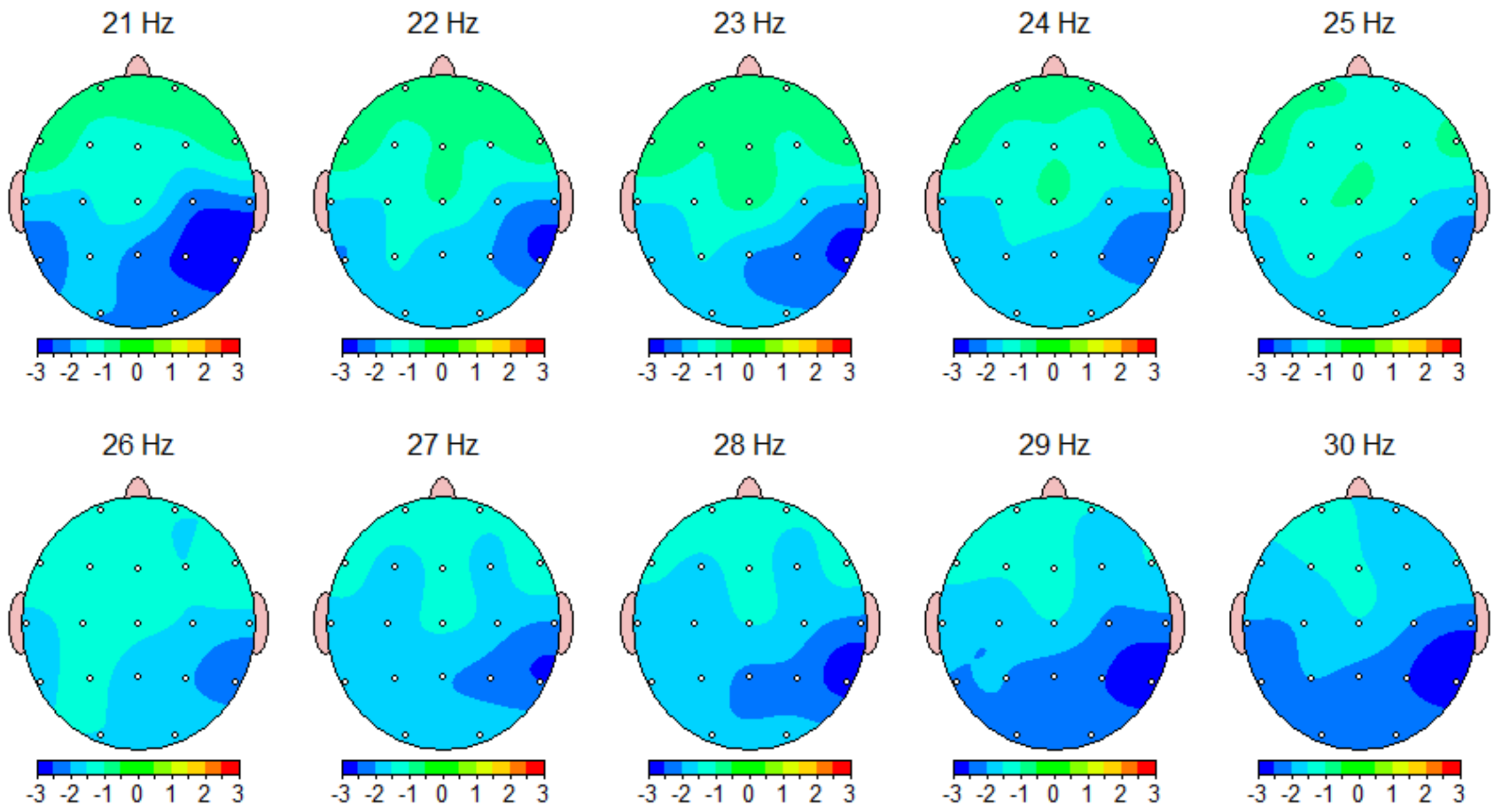
Z Scored FFT Relative Power

Warning: Absolute power must be consulted to interpret relative power.

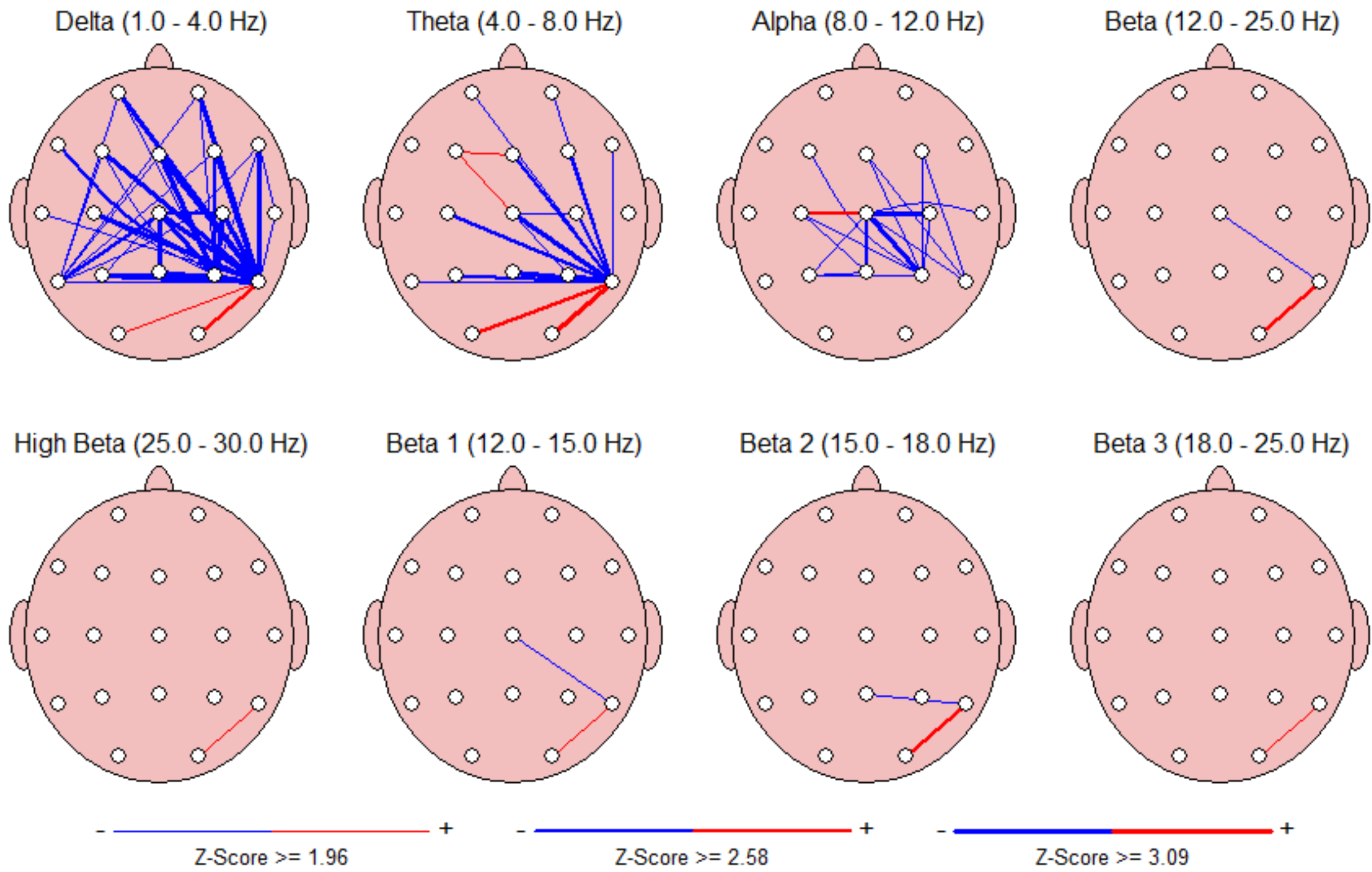


Z Scored FFT Relative Power

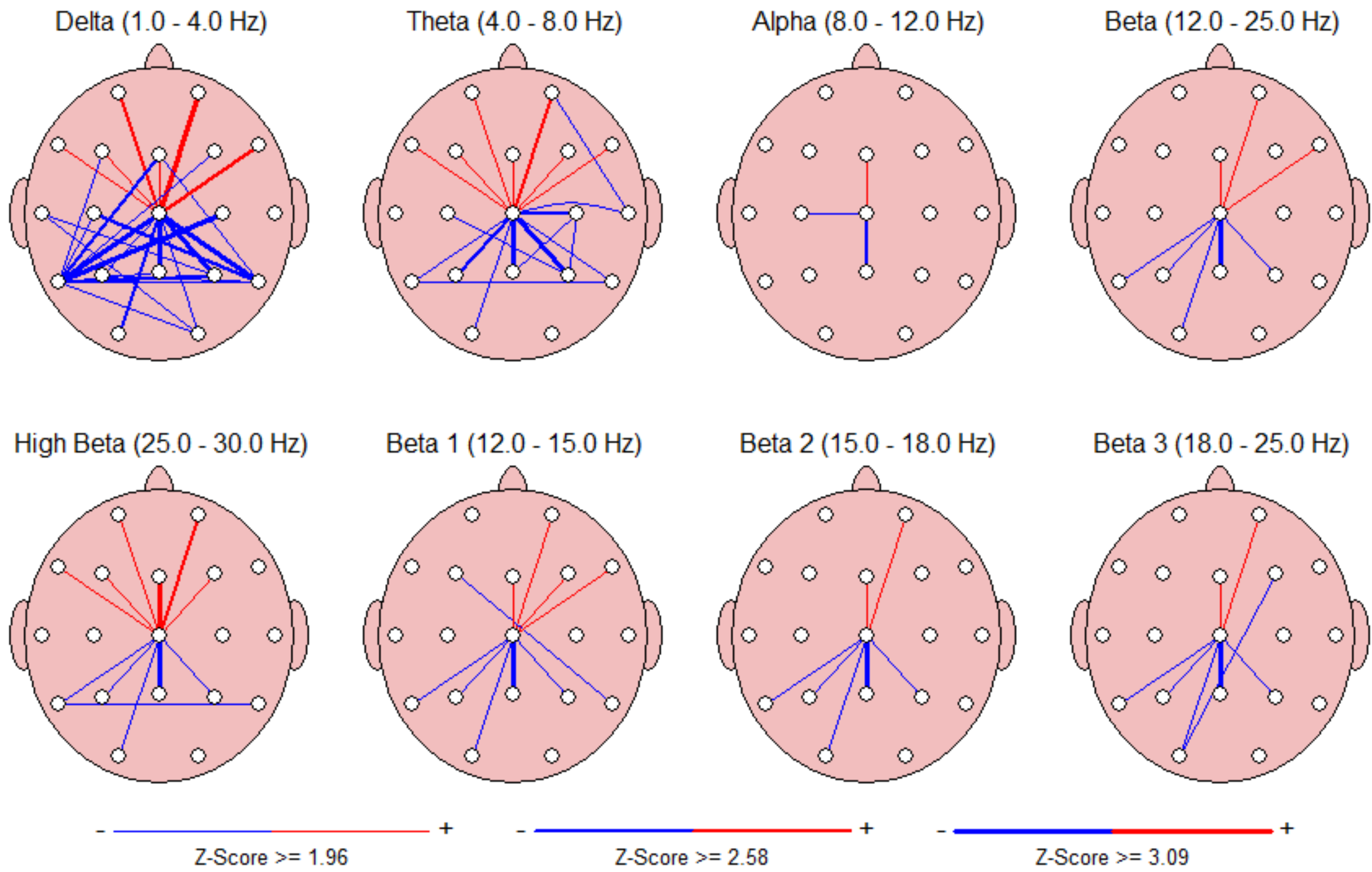
Warning: Absolute power must be consulted to interpret relative power.



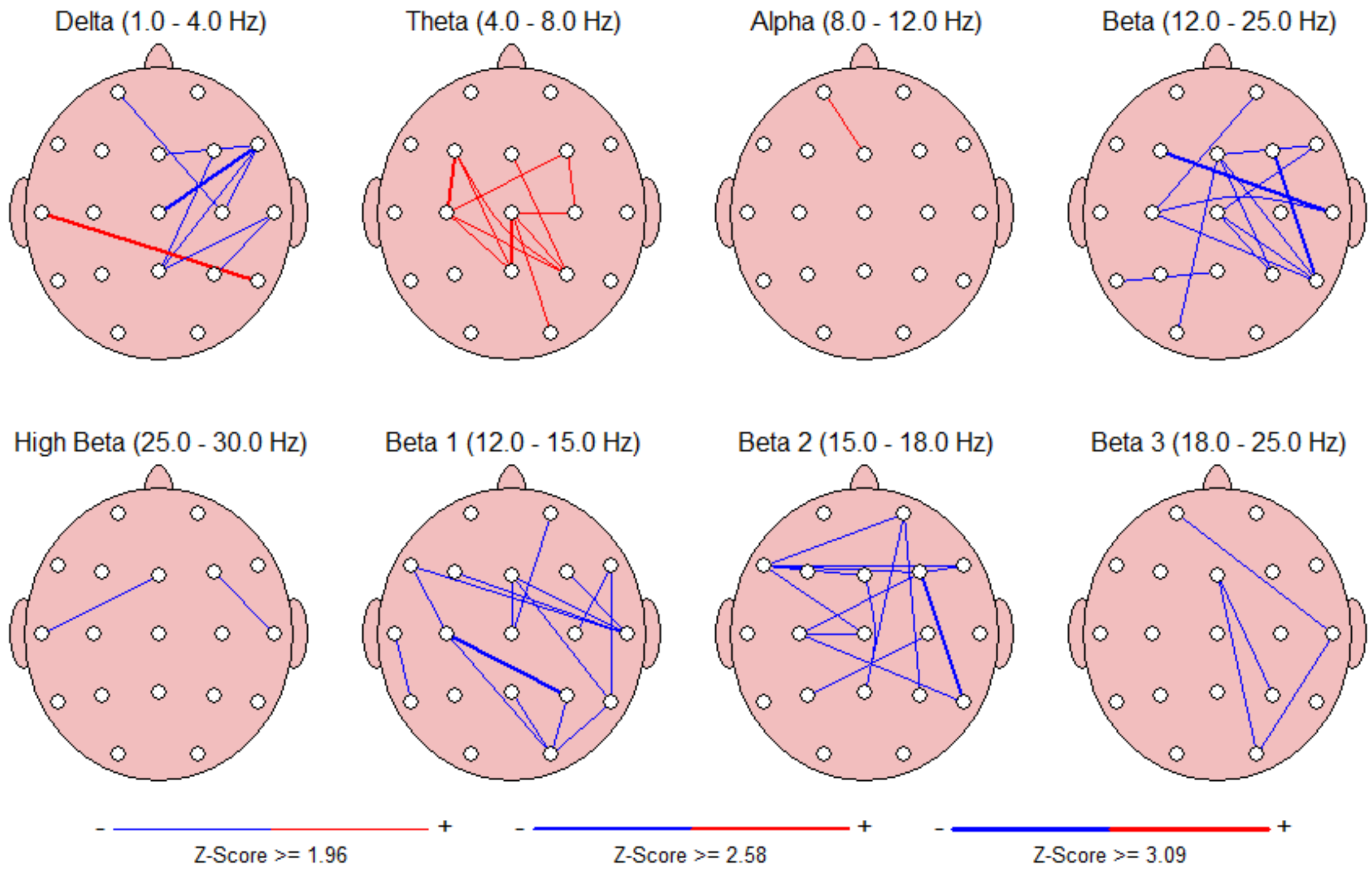
Z Scored FFT Amplitude Asymmetry



Z Scored FFT Coherence



Z Scored FFT Phase Lag



Peak Frequency (Hz)

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP1 - LE	2.22	6.05	9.12	16.53	27.00	13.23	16.11	20.64
F7 - LE	2.22	6.09	9.21	16.78	26.91	13.27	16.15	20.59
F3 - LE	2.19	6.17	9.13	16.51	27.04	13.23	16.14	20.58
T3 - LE	2.23	6.09	9.13	16.38	26.95	13.17	16.11	20.53
C3 - LE	2.25	6.24	9.23	16.59	26.83	13.18	16.14	20.50
T5 - LE	2.26	5.96	9.38	15.82	26.92	13.09	16.11	20.37
P3 - LE	2.30	6.07	9.42	16.09	26.85	13.07	16.14	20.36
O1 - LE	2.40	5.77	9.53	15.70	26.97	13.02	16.09	20.31

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP2 - LE	2.19	6.03	9.08	16.55	27.02	13.22	16.12	20.65
F4 - LE	2.18	6.10	9.10	16.55	26.98	13.20	16.18	20.57
F8 - LE	2.17	5.97	9.12	16.75	26.94	13.21	16.17	20.65
C4 - LE	2.19	6.16	9.24	16.32	26.92	13.15	16.20	20.52
T4 - LE	2.20	6.13	9.16	16.09	26.92	13.15	16.16	20.52
P4 - LE	2.35	5.97	9.45	15.79	26.89	13.02	16.16	20.38
T6 - LE	2.31	5.96	9.37	15.70	26.88	13.06	16.14	20.41
O2 - LE	2.40	5.83	9.48	15.79	26.92	13.02	16.12	20.40

Intrahemispheric: CENTER

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
Fz - LE	2.20	6.13	9.12	16.43	27.04	13.21	16.15	20.59
Cz - LE	2.20	6.13	9.13	16.43	27.03	13.21	16.15	20.58
Pz - LE	2.33	5.96	9.46	15.86	26.91	13.03	16.16	20.33

Z Scored Peak Frequency

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP1 - LE	1.85	1.25	-1.70	-1.08	-0.87	1.19	-1.91	-1.10
F7 - LE	1.95	1.67	-1.53	-0.68	-1.82	1.50	-0.94	-1.33
F3 - LE	1.28	1.73	-1.75	-0.97	-0.56	1.04	-1.28	-0.97
T3 - LE	1.59	1.82	-2.35	-0.70	-1.49	0.41	-1.30	-1.08
C3 - LE	1.33	2.07	-1.62	-0.38	-1.49	0.84	-1.03	-1.09
T5 - LE	1.67	0.68	-1.42	-0.98	-1.14	0.52	-1.12	-1.27
P3 - LE	1.63	1.40	-1.23	-0.45	-1.45	0.56	-0.60	-1.23
O1 - LE	2.40	-0.12	-1.12	-0.74	-1.02	0.49	-0.97	-1.39

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP2 - LE	1.71	1.30	-1.86	-0.95	-0.79	1.01	-1.64	-0.98
F4 - LE	1.00	1.37	-1.79	-0.78	-0.70	0.88	-0.78	-0.91
F8 - LE	1.83	1.36	-1.91	-0.54	-1.10	0.90	-0.92	-0.72
C4 - LE	0.63	1.84	-1.59	-0.64	-1.08	0.71	-0.60	-0.77
T4 - LE	1.33	2.02	-2.33	-0.89	-1.68	0.44	-0.75	-0.86
P4 - LE	1.98	0.97	-1.24	-0.83	-1.22	0.38	-0.77	-1.08
T6 - LE	1.79	0.66	-1.42	-1.19	-1.89	0.56	-0.86	-1.17
O2 - LE	2.31	0.28	-1.31	-0.72	-1.45	0.59	-0.73	-1.08

Intrahemispheric: CENTER

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
Fz - LE	0.97	1.50	-1.66	-0.87	-0.35	1.16	-1.00	-0.68
Cz - LE	0.60	1.73	-1.84	-0.67	-0.55	1.07	-1.00	-0.55
Pz - LE	1.91	0.90	-1.03	-0.77	-1.12	0.34	-0.61	-1.26

FFT Amplitude Asymmetry

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	23.03	22.27	21.33	-2.28
FP1 F3	-14.05	-30.81	-32.41	-32.10
FP1 T3	32.79	59.70	40.25	56.00
FP1 C3	-22.72	-15.86	-59.05	-23.26
FP1 T5	-49.58	-1.54	-92.05	-14.79
FP1 P3	-52.54	-15.58	-119.93	-36.20
FP1 O1	-62.17	-15.97	-136.86	-43.65
F7 F3	-36.78	-52.19	-52.82	-29.88
F7 T3	9.94	38.72	19.34	58.09
F7 C3	-45.16	-37.80	-77.92	-21.01
F7 T5	-70.59	-23.79	-108.08	-12.52
F7 P3	-73.35	-37.53	-132.77	-33.99
F7 O1	-82.26	-37.91	-147.43	-41.47
F3 T3	46.30	86.53	70.36	84.31
F3 C3	-8.74	15.13	-27.98	9.01
F3 T5	-36.16	29.31	-64.46	17.52
F3 P3	-39.21	15.41	-96.95	-4.22
F3 O1	-49.20	15.02	-117.48	-11.97
T3 C3	-54.49	-73.82	-93.73	-76.76
T3 T5	-79.15	-61.10	-121.09	-69.35
T3 P3	-81.80	-73.57	-142.94	-87.75
T3 O1	-90.36	-73.91	-155.67	-93.91
C3 T5	-27.63	14.33	-38.20	8.55
C3 P3	-30.73	0.28	-73.98	-13.21
C3 O1	-40.90	-0.11	-97.51	-20.92
T5 P3	-3.17	-14.05	-38.51	-21.70
T5 O1	-13.65	-14.45	-65.40	-29.34
P3 O1	-10.49	-0.40	-28.70	-7.76

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-11.79	-22.32	-33.76	-26.18
FP2 F8	22.01	37.58	24.75	15.99
FP2 C4	-36.99	-23.21	-84.79	-26.26
FP2 T4	3.28	24.79	-17.49	34.16
FP2 P4	-87.79	-43.72	-146.48	-58.40
FP2 T6	-103.22	-62.74	-136.28	-63.45
FP2 O2	-56.03	-10.44	-125.49	-28.85
F4 F8	33.58	58.67	57.32	41.74
F4 C4	-25.48	-0.91	-54.96	-0.08
F4 T4	15.06	46.47	16.52	59.03
F4 P4	-78.02	-21.93	-128.62	-33.50
F4 T6	-94.30	-41.89	-115.85	-38.88
F4 O2	-44.98	11.95	-102.59	-2.72
F8 C4	-57.82	-59.50	-104.08	-41.82
F8 T4	-18.76	-13.10	-41.79	18.42
F8 P4	-104.74	-78.09	-157.00	-72.70
F8 T6	-118.50	-94.74	-148.51	-77.48
F8 O2	-75.71	-47.55	-139.41	-44.33
C4 T4	40.15	47.32	69.89	59.10
C4 P4	-55.29	-21.04	-89.47	-33.42
C4 T6	-73.22	-41.02	-72.41	-38.80
C4 O2	-20.08	12.85	-55.44	-2.64
T4 P4	-90.42	-66.70	-137.82	-88.17
T4 T6	-105.61	-84.25	-126.32	-92.60
T4 O2	-59.04	-35.00	-114.27	-61.50
P4 T6	-19.96	-20.42	20.36	-5.56
P4 O2	36.21	33.66	38.85	30.85
T6 O2	55.17	53.17	18.86	36.26

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	-1.85	5.96	-4.29	3.80
F3 F4	0.42	14.57	-5.68	9.84
C3 C4	-16.42	-1.47	-33.61	0.75
P3 P4	-41.62	-22.77	-51.37	-19.69

	DELTA	THETA	ALPHA	BETA
F7 F8	-2.88	21.54	-0.82	22.02
T3 T4	-31.39	-30.46	-60.66	-19.17
T5 T6	-63.19	-55.91	-68.26	-46.25
O1 O2	4.88	11.50	15.67	19.05

Z Scored FFT Amplitude Asymmetry

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	-0.42	-0.32	-0.28	-1.15
FP1 F3	-0.59	-0.46	-0.73	-0.51
FP1 T3	-0.74	0.27	0.16	0.98
FP1 C3	-1.04	-0.04	-0.79	0.14
FP1 T5	-2.07	-0.31	-1.09	0.16
FP1 P3	-1.25	0.10	-1.14	0.16
FP1 O1	-1.55	0.01	-0.97	0.17
F7 F3	-0.29	-0.19	-0.19	0.37
F7 T3	-0.60	0.58	0.33	1.57
F7 C3	-0.83	0.27	-0.51	0.70
F7 T5	-1.89	-0.13	-0.86	0.71
F7 P3	-1.05	0.35	-0.91	0.64
F7 O1	-1.31	0.21	-0.82	0.65
F3 T3	-0.32	0.67	0.44	1.26
F3 C3	-0.67	0.73	-0.57	0.55
F3 T5	-2.03	0.05	-0.96	0.49
F3 P3	-1.15	0.73	-1.14	0.50
F3 O1	-1.28	0.39	-0.91	0.47
T3 C3	-0.12	-0.35	-0.72	-0.79
T3 T5	-1.56	-0.75	-1.01	-0.76
T3 P3	-0.60	-0.18	-1.04	-0.65
T3 O1	-0.82	-0.26	-0.92	-0.64
C3 T5	-1.94	-0.41	-0.72	0.07
C3 P3	-0.87	0.28	-1.14	0.20
C3 O1	-1.08	0.06	-0.76	0.11
T5 P3	1.33	0.85	-0.38	0.12
T5 O1	0.56	0.56	-0.30	0.13
P3 O1	-0.78	-0.14	-0.01	0.03

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-0.71	-0.13	-0.27	-0.26
FP2 F8	-0.19	0.13	-0.00	-0.15
FP2 C4	-1.49	-0.31	-1.29	0.05
FP2 T4	-1.58	-1.04	-1.54	0.31
FP2 P4	-2.26	-0.75	-1.80	-0.37
FP2 T6	-3.69	-2.07	-1.73	-0.93
FP2 O2	-1.60	0.01	-0.69	0.38
F4 F8	0.50	0.29	0.21	-0.04
F4 C4	-1.40	-0.47	-1.62	0.37
F4 T4	-1.29	-1.27	-1.55	0.55
F4 P4	-2.61	-1.08	-2.17	-0.22
F4 T6	-4.43	-2.73	-2.00	-0.94
F4 O2	-1.37	0.12	-0.68	0.62
F8 C4	-1.34	-0.50	-1.10	0.30
F8 T4	-2.11	-1.67	-1.63	0.43
F8 P4	-2.09	-0.95	-1.55	-0.24
F8 T6	-3.45	-2.35	-1.63	-0.80
F8 O2	-1.42	-0.11	-0.67	0.45
C4 T4	-0.55	-0.96	-0.22	0.23
C4 P4	-3.39	-1.77	-2.16	-0.90
C4 T6	-4.64	-2.99	-1.53	-1.65
C4 O2	-0.56	0.38	-0.03	0.50
T4 P4	-0.83	0.26	-0.99	-0.52
T4 T6	-2.37	-1.39	-1.04	-1.01
T4 O2	-0.12	0.92	-0.04	0.05
P4 T6	-2.82	-3.11	-0.16	-1.33
P4 O2	1.12	1.38	1.60	1.36
T6 O2	2.68	3.56	1.83	2.59

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	0.09	0.45	-0.22	0.12
F3 F4	0.03	1.33	0.20	0.47
C3 C4	-0.78	-0.09	-1.47	0.09
P3 P4	-2.71	-1.79	-2.49	-1.44

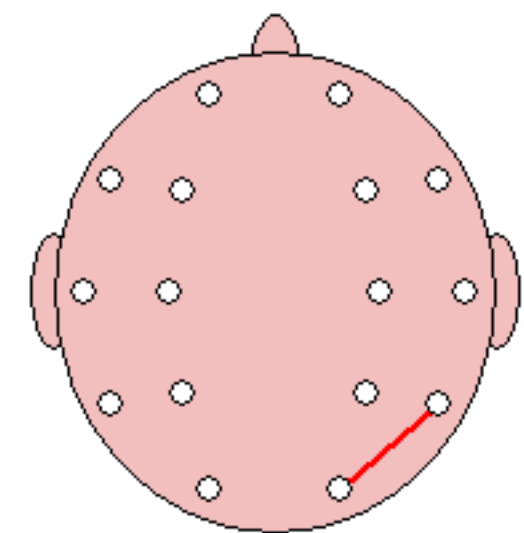
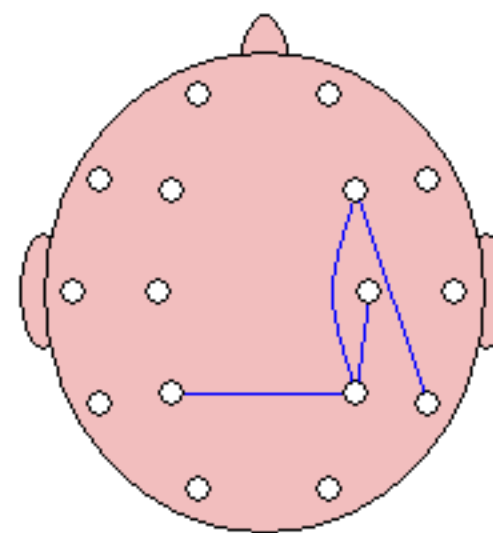
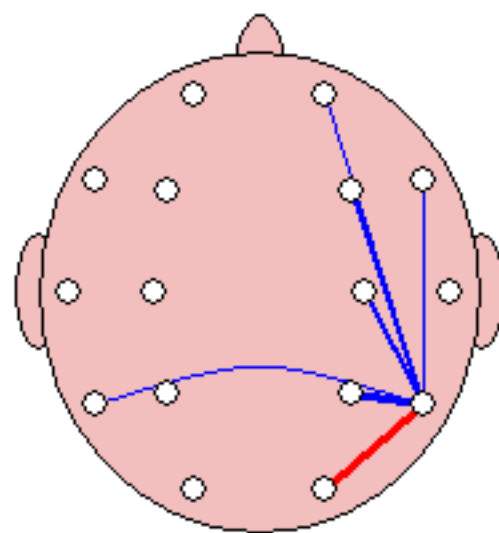
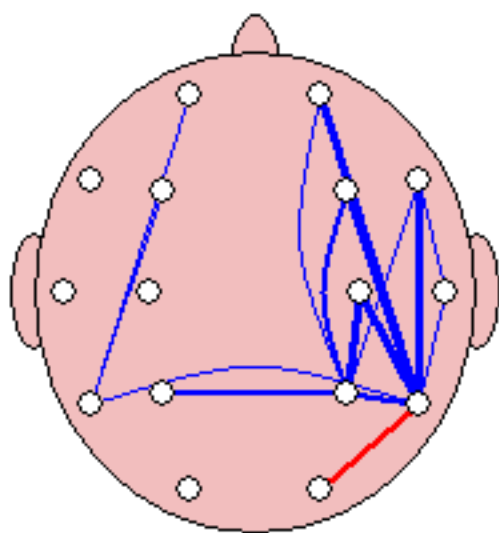
	DELTA	THETA	ALPHA	BETA
F7 F8	0.27	0.81	0.11	0.79
T3 T4	-0.78	-0.99	-1.67	-0.72
T5 T6	-2.39	-2.29	-1.59	-1.61
O1 O2	0.22	0.56	0.71	1.14

Delta (1.0 - 4.0 Hz)

Theta (4.0 - 8.0 Hz)

Alpha (8.0 - 12.0 Hz)

Beta (12.0 - 25.0 Hz)



- ———— +
Z-Score >= 1.96

- ———— +
Z-Score >= 2.58

- ———— +
Z-Score >= 3.09

FFT Coherence

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	74.49	75.57	78.47	62.25
FP1 F3	79.58	82.05	86.60	75.36
FP1 T3	14.75	15.94	5.41	10.05
FP1 C3	43.82	37.19	27.21	31.16
FP1 T5	0.77	0.72	5.08	0.55
FP1 P3	13.46	10.61	2.65	4.16
FP1 O1	1.30	0.82	6.07	0.95
F7 F3	69.99	78.09	79.07	66.54
F7 T3	46.72	40.63	26.53	36.89
F7 C3	46.78	49.98	34.19	36.96
F7 T5	3.03	3.79	1.12	0.55
F7 P3	15.86	17.27	2.77	6.69
F7 O1	1.16	0.98	4.56	0.19
F3 T3	22.10	30.39	16.46	22.04
F3 C3	73.00	66.40	53.58	60.13
F3 T5	3.54	5.55	0.63	0.97
F3 P3	29.20	26.90	10.00	15.13
F3 O1	4.31	2.43	1.41	0.13
T3 C3	32.74	48.07	42.66	41.87
T3 T5	28.71	40.48	31.05	31.18
T3 P3	25.89	37.90	25.39	29.63
T3 O1	7.93	10.82	8.18	8.83
C3 T5	24.25	27.10	24.31	19.13
C3 P3	71.33	68.90	60.23	61.64
C3 O1	25.48	18.59	20.26	14.01
T5 P3	60.84	63.03	69.22	57.77
T5 O1	74.76	69.69	78.38	70.08
P3 O1	69.52	64.86	76.71	62.45

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	79.38	78.25	81.89	76.45
FP2 F8	74.76	72.77	80.30	65.64
FP2 C4	40.63	32.52	26.90	33.00
FP2 T4	18.40	6.60	7.66	11.81
FP2 P4	8.57	4.54	4.93	3.16
FP2 T6	1.17	0.53	4.35	0.00
FP2 O2	2.51	0.70	4.82	0.18
F4 F8	73.76	74.03	80.96	66.99
F4 C4	71.69	67.33	62.06	64.64
F4 T4	36.99	22.14	27.19	26.87
F4 P4	25.05	17.89	17.98	14.00
F4 T6	7.53	3.70	6.31	2.30
F4 O2	10.63	3.92	7.68	1.43
F8 C4	47.03	43.75	40.81	38.13
F8 T4	42.19	27.76	28.06	33.53
F8 P4	11.34	7.63	8.68	5.83
F8 T6	4.57	1.68	3.86	1.48
F8 O2	3.55	0.71	4.50	0.08
C4 T4	61.70	53.37	64.18	56.61
C4 P4	64.69	53.58	64.01	54.71
C4 T6	34.31	24.56	39.12	23.54
C4 O2	37.89	23.42	41.09	20.99
T4 P4	48.33	38.10	50.26	42.78
T4 T6	57.98	48.61	58.29	47.85
T4 O2	33.57	19.80	36.67	21.75
P4 T6	66.16	63.50	75.45	62.02
P4 O2	82.41	80.67	90.75	76.95
T6 O2	65.91	61.71	77.29	60.46

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	89.38	89.35	92.12	81.08
F3 F4	77.30	72.58	75.96	62.78
C3 C4	54.95	50.68	47.89	39.04
P3 P4	49.78	46.70	66.18	41.03

	DELTA	THETA	ALPHA	BETA
F7 F8	19.61	24.71	32.74	11.00
T3 T4	2.81	0.59	0.56	2.27
T5 T6	7.25	3.14	20.88	1.24
O1 O2	57.33	58.25	74.99	53.57

Z Scored FFT Coherence

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	1.30	1.19	0.44	0.36
FP1 F3	1.35	1.29	0.44	0.59
FP1 T3	-0.39	-0.60	-1.85	-0.20
FP1 C3	1.03	-0.03	-1.54	0.23
FP1 T5	-1.56	-1.35	-0.57	-1.27
FP1 P3	0.21	-0.60	-1.35	-0.63
FP1 O1	-0.86	-0.87	-0.39	-0.60
F7 F3	1.10	1.20	0.34	0.42
F7 T3	0.51	-0.42	-1.77	0.24
F7 C3	1.36	0.83	-1.14	0.21
F7 T5	-1.27	-0.96	-1.74	-1.77
F7 P3	0.67	0.18	-1.32	-0.79
F7 O1	-0.83	-0.84	-0.51	-1.56
F3 T3	-0.82	-0.61	-1.83	-0.11
F3 C3	0.75	-0.17	-1.60	0.21
F3 T5	-2.57	-1.22	-1.94	-1.74
F3 P3	-0.23	-0.72	-1.15	-0.62
F3 O1	-1.34	-1.16	-1.47	-1.85
T3 C3	-0.66	-0.23	-0.88	0.17
T3 T5	-0.80	-0.44	-0.65	-0.36
T3 P3	-0.53	-0.19	-1.05	-0.05
T3 O1	-1.36	-0.94	-0.83	-0.62
C3 T5	-2.22	-1.02	-0.52	-1.54
C3 P3	0.20	-0.18	-0.33	-0.22
C3 O1	-0.98	-1.01	-0.16	-1.05
T5 P3	-0.63	-0.59	-0.17	-0.92
T5 O1	0.61	0.20	0.53	0.44
P3 O1	0.14	-0.13	0.63	-0.70

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	1.54	1.10	0.12	0.62
FP2 F8	1.46	1.12	0.57	0.66
FP2 C4	1.03	-0.36	-1.42	0.40
FP2 T4	-0.23	-2.01	-1.53	-0.19
FP2 P4	-0.24	-1.51	-1.06	-0.91
FP2 T6	-1.20	-1.54	-0.59	-1.75
FP2 O2	-0.28	-0.94	-0.43	-1.04
F4 F8	1.48	1.25	0.56	0.61
F4 C4	0.44	-0.53	-1.01	0.20
F4 T4	-0.31	-1.81	-0.94	0.02
F4 P4	-0.68	-1.90	-0.77	-1.02
F4 T6	-1.72	-1.31	-0.63	-1.11
F4 O2	-0.58	-0.83	-0.28	-0.83
F8 C4	1.29	0.47	-0.49	0.39
F8 T4	0.31	-1.28	-1.44	-0.01
F8 P4	0.24	-0.79	-0.78	-0.83
F8 T6	-0.53	-1.22	-0.76	-1.03
F8 O2	0.04	-0.81	-0.33	-1.28
C4 T4	0.53	-0.20	0.31	0.77
C4 P4	-0.65	-2.19	-0.37	-1.07
C4 T6	-1.24	-1.08	0.58	-0.64
C4 O2	-0.28	-0.51	0.93	-0.06
T4 P4	0.61	-0.32	0.49	0.89
T4 T6	0.77	0.35	1.15	0.83
T4 O2	0.86	0.23	1.32	1.18
P4 T6	-0.03	-0.06	1.07	0.06
P4 O2	0.93	1.38	1.68	1.42
T6 O2	0.06	-0.35	0.63	-0.11

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	1.12	1.19	0.71	0.90
F3 F4	1.13	0.77	0.15	0.61
C3 C4	-0.58	-0.76	-0.61	0.21
P3 P4	-1.66	-1.81	0.15	-0.71

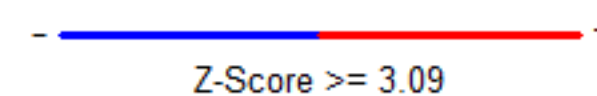
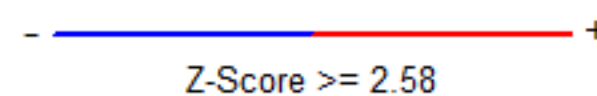
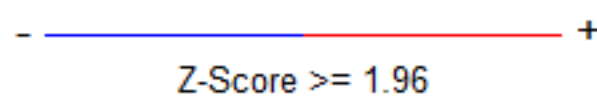
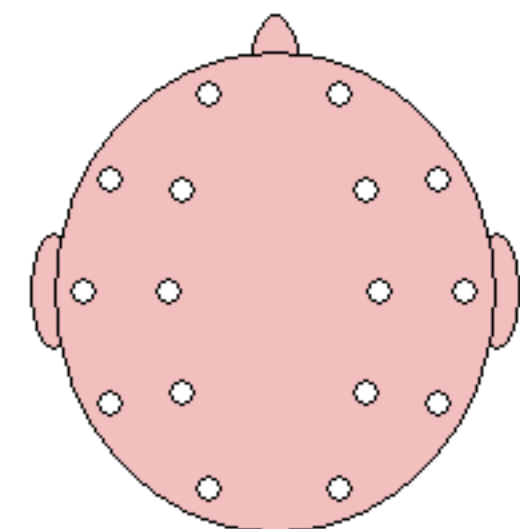
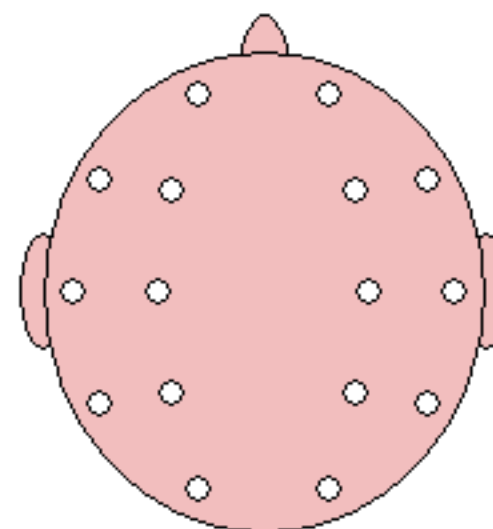
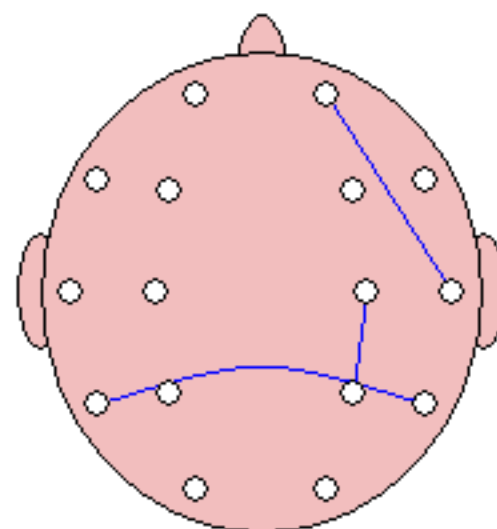
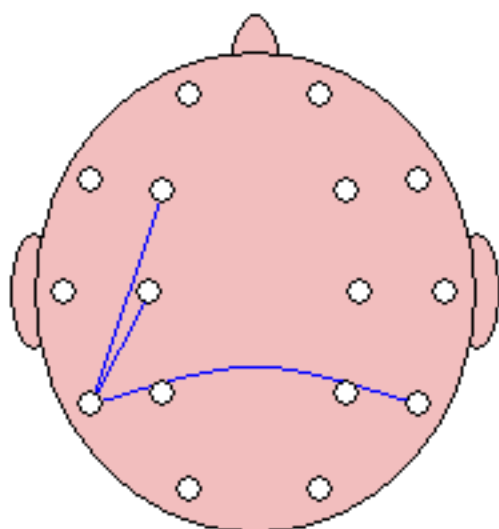
	DELTA	THETA	ALPHA	BETA
F7 F8	1.23	1.19	0.33	0.32
T3 T4	-0.71	-1.11	-1.39	-0.04
T5 T6	-2.49	-1.97	0.32	-1.36
O1 O2	-0.48	-0.68	0.72	-0.41

Delta (1.0 - 4.0 Hz)

Theta (4.0 - 8.0 Hz)

Alpha (8.0 - 12.0 Hz)

Beta (12.0 - 25.0 Hz)



FFT Phase Lag (Deg)

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	-1.73	1.99	1.52	1.07
FP1 F3	-1.27	3.50	5.36	2.12
FP1 T3	-6.22	7.50	15.74	-1.79
FP1 C3	-0.73	12.48	22.71	1.71
FP1 T5	40.42	53.20	167.23	-146.76
FP1 P3	5.74	21.60	74.44	-3.33
FP1 O1	45.70	99.42	162.98	-177.68
F7 F3	1.62	2.28	3.51	2.12
F7 T3	-2.19	5.56	7.28	-1.16
F7 C3	2.20	11.29	18.79	2.70
F7 T5	18.76	23.53	156.05	-23.96
F7 P3	7.18	17.63	55.45	-1.89
F7 O1	46.28	69.34	164.58	-168.71
F3 T3	-7.22	4.50	9.45	-4.91
F3 C3	-0.35	9.05	14.89	0.61
F3 T5	8.85	19.21	104.53	-31.65
F3 P3	2.48	14.58	30.86	-2.84
F3 O1	17.77	35.98	115.94	-18.77
T3 C3	5.42	4.98	4.58	5.55
T3 T5	2.30	4.94	1.92	-0.08
T3 P3	3.39	7.78	3.60	3.14
T3 O1	3.07	11.62	6.21	-1.59
C3 T5	1.05	1.22	3.66	-7.75
C3 P3	0.93	3.08	3.55	-1.70
C3 O1	4.51	7.55	13.48	-3.04
T5 P3	-0.20	0.02	-3.18	1.88
T5 O1	-1.83	-0.77	2.38	-1.95
P3 O1	0.69	2.13	7.88	-0.95

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-0.89	3.20	6.94	1.22
FP2 F8	-1.41	1.07	2.34	1.35
FP2 C4	-0.78	12.53	26.72	0.94
FP2 T4	2.69	15.58	36.09	-1.96
FP2 P4	3.76	25.05	74.61	0.36
FP2 T6	34.08	98.52	120.61	-158.34
FP2 O2	19.65	87.46	122.92	148.93
F4 F8	-0.88	-2.61	-4.09	-0.52
F4 C4	-1.07	8.91	15.58	0.63
F4 T4	0.76	11.38	16.78	-2.23
F4 P4	0.15	14.08	32.47	1.17
F4 T6	11.13	24.21	45.47	-0.59
F4 O2	8.66	27.11	55.81	11.29
F8 C4	0.04	11.02	20.51	0.35
F8 T4	2.52	8.96	18.54	-1.33
F8 P4	1.47	17.50	50.53	0.43
F8 T6	15.74	25.89	67.15	-4.97
F8 O2	12.59	59.82	90.87	32.85
C4 T4	0.91	1.76	-2.10	-2.49
C4 P4	0.54	4.80	6.78	0.16
C4 T6	4.98	4.26	4.28	-2.38
C4 O2	5.10	8.92	14.71	1.55
T4 P4	-0.53	4.57	9.32	2.15
T4 T6	2.19	-0.23	4.74	-1.20
T4 O2	3.90	8.98	16.78	2.06
P4 T6	2.13	-1.92	-2.30	-2.12
P4 O2	2.24	1.51	6.31	-0.62
T6 O2	0.90	3.58	8.19	0.64

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	0.10	-1.34	-0.26	0.70
F3 F4	1.50	-1.95	0.50	0.80
C3 C4	0.85	-0.66	-2.87	1.47
P3 P4	1.30	1.78	-7.19	-1.43

	DELTA	THETA	ALPHA	BETA
F7 F8	2.06	-3.35	2.33	3.22
T3 T4	168.86	128.73	161.21	171.39
T5 T6	4.92	11.55	-19.71	-8.36
O1 O2	1.29	0.48	-11.42	-4.69

Z Scored FFT Phase Lag

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	-0.35	0.24	-0.24	-0.56
FP1 F3	-0.74	0.36	1.41	0.02
FP1 T3	-0.06	0.49	0.88	-0.96
FP1 C3	-1.71	1.38	1.52	-0.88
FP1 T5	1.17	1.07	0.94	1.49
FP1 P3	-0.15	1.52	1.13	-0.75
FP1 O1	0.76	1.26	0.84	1.25
F7 F3	-0.49	0.02	0.75	0.26
F7 T3	-0.44	1.08	0.67	-0.98
F7 C3	-0.58	1.41	1.72	-0.13
F7 T5	0.83	0.90	1.21	0.63
F7 P3	-0.03	1.16	1.05	-1.09
F7 O1	0.67	0.90	0.89	1.52
F3 T3	0.28	0.05	0.69	0.35
F3 C3	-1.73	2.60	1.66	-1.23
F3 T5	0.42	1.06	0.98	0.85
F3 P3	-0.44	1.86	0.90	-0.57
F3 O1	0.94	1.40	0.84	0.19
T3 C3	0.32	0.43	0.53	0.41
T3 T5	-0.37	0.66	-1.24	-1.89
T3 P3	-0.43	0.99	-0.14	0.06
T3 O1	-0.60	0.84	-0.56	-1.11
C3 T5	-1.32	-0.97	-0.90	0.28
C3 P3	-0.51	1.11	-0.21	-0.61
C3 O1	0.43	1.03	-0.06	-0.56
T5 P3	-1.55	-1.56	-0.29	-0.38
T5 O1	-0.27	-0.89	-0.34	-0.19
P3 O1	-1.03	0.27	0.36	-1.36

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-1.01	-0.13	1.67	-0.54
FP2 F8	-0.78	-0.84	0.17	-0.31
FP2 C4	-1.61	1.15	1.65	-1.34
FP2 T4	-0.57	1.54	1.53	-0.90
FP2 P4	-0.32	1.37	1.19	-1.90
FP2 T6	0.96	1.46	0.59	1.22
FP2 O2	0.13	1.09	0.55	0.99
F4 F8	-1.20	0.03	0.88	-1.24
F4 C4	-0.52	2.30	1.65	-1.11
F4 T4	-1.62	1.51	0.87	-0.89
F4 P4	-1.63	1.88	0.93	-1.26
F4 T6	0.93	1.35	0.16	-2.79
F4 O2	0.35	1.15	0.29	-0.15
F8 C4	-2.34	1.33	1.64	-1.50
F8 T4	-0.30	1.59	1.25	-0.56
F8 P4	-1.36	1.18	1.12	-1.91
F8 T6	0.39	0.75	0.42	-0.72
F8 O2	-0.52	0.67	0.33	0.06
C4 T4	-1.69	-1.08	-0.57	-0.55
C4 P4	-0.98	1.60	0.32	-1.85
C4 T6	0.74	0.41	-1.08	-1.18
C4 O2	0.68	1.15	-0.09	-1.10
T4 P4	-2.51	0.24	0.72	-0.49
T4 T6	-0.56	-1.78	-0.65	-1.34
T4 O2	-0.30	0.44	-0.01	-1.53
P4 T6	0.00	0.02	-1.20	-0.48
P4 O2	0.33	-0.01	-0.11	-1.44
T6 O2	-1.04	0.67	0.80	-1.51

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	-1.63	-0.06	-1.51	-0.65
F3 F4	-0.25	0.36	-1.06	-0.66
C3 C4	-0.58	-1.01	0.25	-0.43
P3 P4	-0.04	0.21	1.00	-0.44

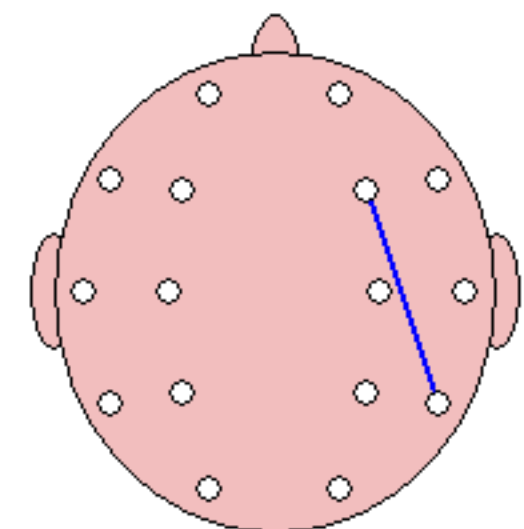
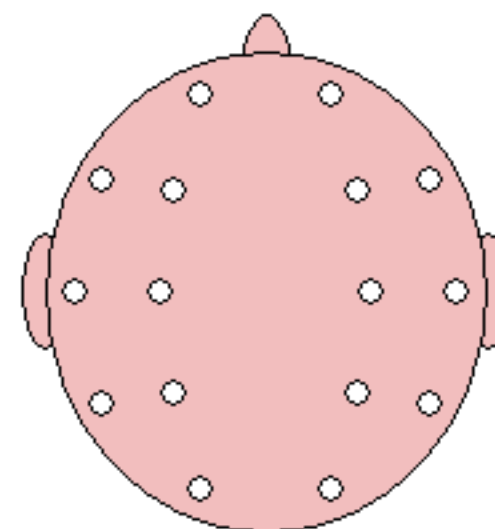
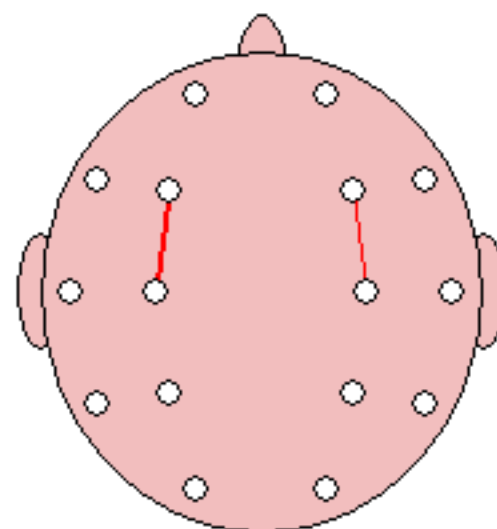
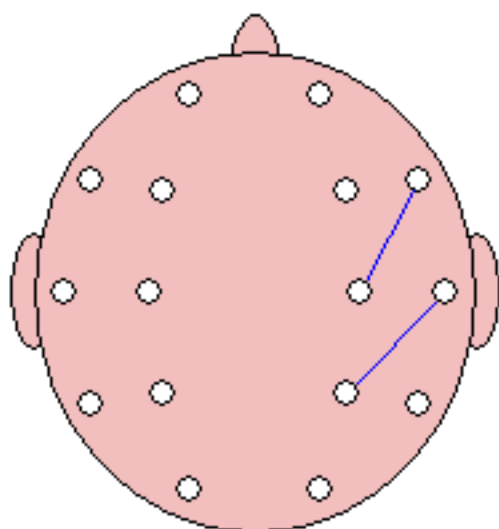
	DELTA	THETA	ALPHA	BETA
F7 F8	-1.24	-0.58	-0.82	-0.52
T3 T4	1.93	1.12	1.13	0.82
T5 T6	0.88	0.88	0.36	-0.06
O1 O2	-0.15	-0.98	1.24	0.89

Delta (1.0 - 4.0 Hz)

Theta (4.0 - 8.0 Hz)

Alpha (8.0 - 12.0 Hz)

Beta (12.0 - 25.0 Hz)



- ———— +
Z-Score >= 1.96

- ———— +
Z-Score >= 2.58

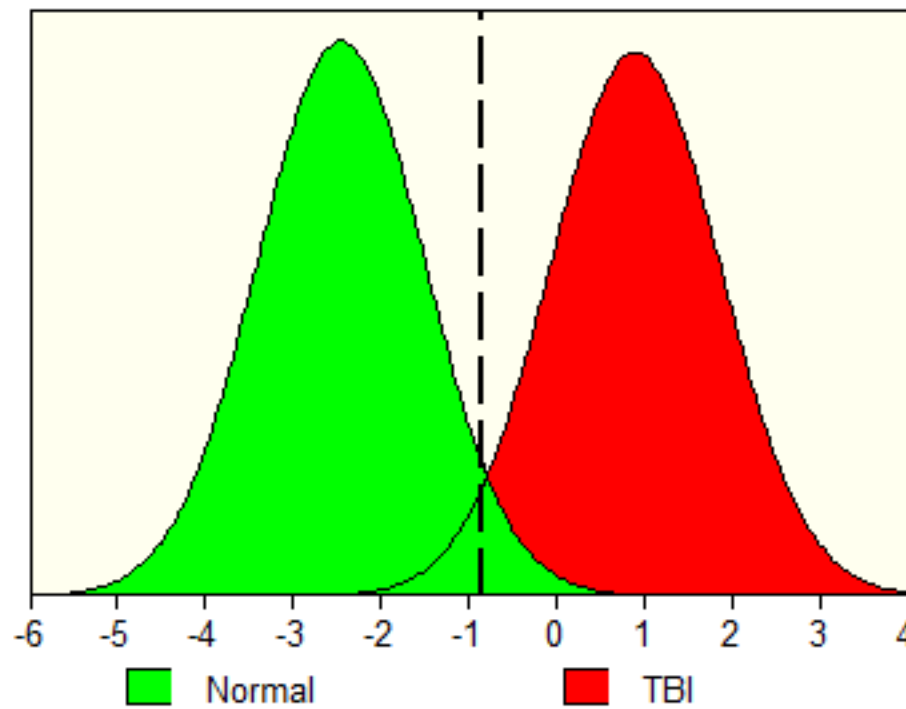
- ———— +
Z-Score >= 3.09

Traumatic Brain Injury Discriminant Analysis*

TBI DISCRIMINANT SCORE = -0.86

TBI PROBABILITY INDEX = 70.0%

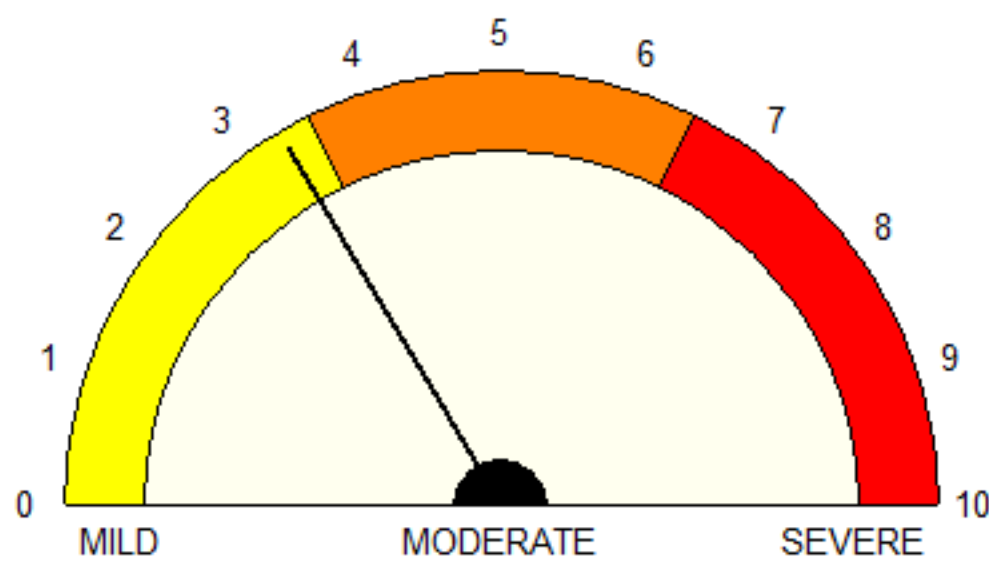
The TBI Probability Index is the subject's probability of membership in the mild traumatic brain injury population. (see Thatcher et al, EEG and Clin. Neurophysiol., 73: 93-106, 1989.)



			RAW	Z
FP1-F3	COH	Theta	89.84	0.95
T3-T5	COH	Beta	56.74	0.42
C3-P3	COH	Beta	78.27	-0.26
FP2-F4	PHA	Beta	-0.19	-0.85
F3-F4	PHA	Beta	-0.02	-1.33
F4-T6	AMP	Alpha	-113.83	-1.88
F8-T6	AMP	Alpha	-146.85	-1.48
F4-T6	AMP	Beta	-41.22	-1.56
F8-T6	AMP	Beta	-79.44	-0.98
F3-O1	AMP	Alpha	-112.14	-0.78
F4-O2	AMP	Alpha	-99.63	-0.44
F7-O1	AMP	Alpha	-143.86	-0.70
F4-O2	AMP	Beta	-10.58	0.32
P3	RP	Alpha	58.64	0.37
P4	RP	Alpha	64.20	0.75
O1	RP	Alpha	63.47	0.33
O2	RP	Alpha	62.53	0.14
T4	RP	Alpha	46.43	0.57
T5	RP	Alpha	53.18	0.07
T6	RP	Alpha	55.99	0.04

TBI SEVERITY INDEX = 3.29

This severity score places the patient in the MILD range of severity.



			RAW	Z
FP1-C3	COH	Delta	65.69	1.00
FP1-FP2	COH	Theta	94.38	1.43
O1-F7	COH	Alpha	19.39	-0.74
O2-T6	COH	Alpha	87.80	0.53
P3-O1	COH	Beta	80.05	0.65
FP1-T3	PHA	Theta	-2.07	-0.20
T3-T4	PHA	Theta	-67.47	1.47
O1-F7	PHA	Alpha	-45.98	1.38
F7-F8	PHA	Alpha	-0.63	-0.87
T5-T6	PHA	Beta	2.01	0.08
C3-F7	AMP	Delta	-41.94	-0.03
FP2-F4	AMP	Delta	-18.25	-0.37
C4-F8	AMP	Delta	-62.22	-0.84
O1-O2	AMP	Theta	13.27	0.78
P3-F7	AMP	Alpha	-129.02	-0.69
FP2-P4	AMP	Alpha	-144.20	-1.43

The TBI Severity Index is an estimate of the neurological severity of injury. (see Thatcher et al, J. Neuropsychiatry and Clinical Neuroscience, 13(1): 77-87, 2001.)

***Statement of Indications of Use:**

The Discriminant Analysis and Severity Index are to be used by experienced and qualified professionals for the post-hoc statistical evaluation of the human electroencephalogram (EEG). The Discriminant Analysis and Severity Index are to be viewed as an adjunct to the evaluation of the patient, and they do not serve as a primary basis for a diagnosis. Warning: Inclusion criteria of a history of traumatic brain injury and greater than 13 years of age must be adhered to.