

Subject Information

Name:	GThs, Gerald
Subject ID:	3045
Date of Birth:	01/17/1953
Age:	60.70
Gender:	Male
Handedness:	Right
EEG ID:	3045
Date of Test:	09/28/2013
Time of Test:	08:46:54
Technician:	Ajeet Charate BCN
Eyes Condition:	Eyes Closed
Clinician:	James A. Kowal, Ph.D., BCN
Medication:	
Comments:	

Technical Information

Record Length: 10:15

Edit Length: 02:05

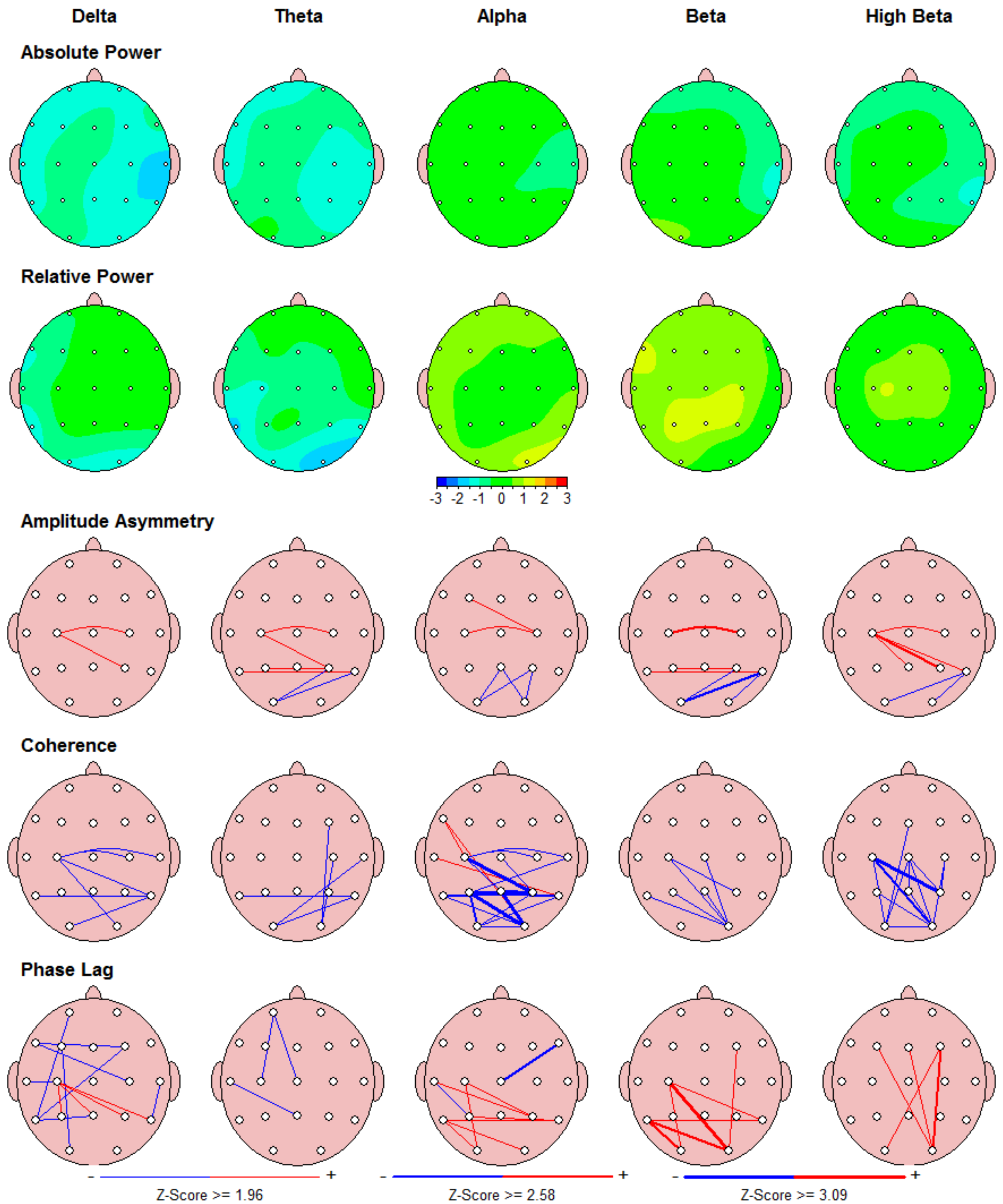
Reliability:

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

Sampling Rate: 256

Collection Hardware: Deymed

Z Scored FFT Summary Information

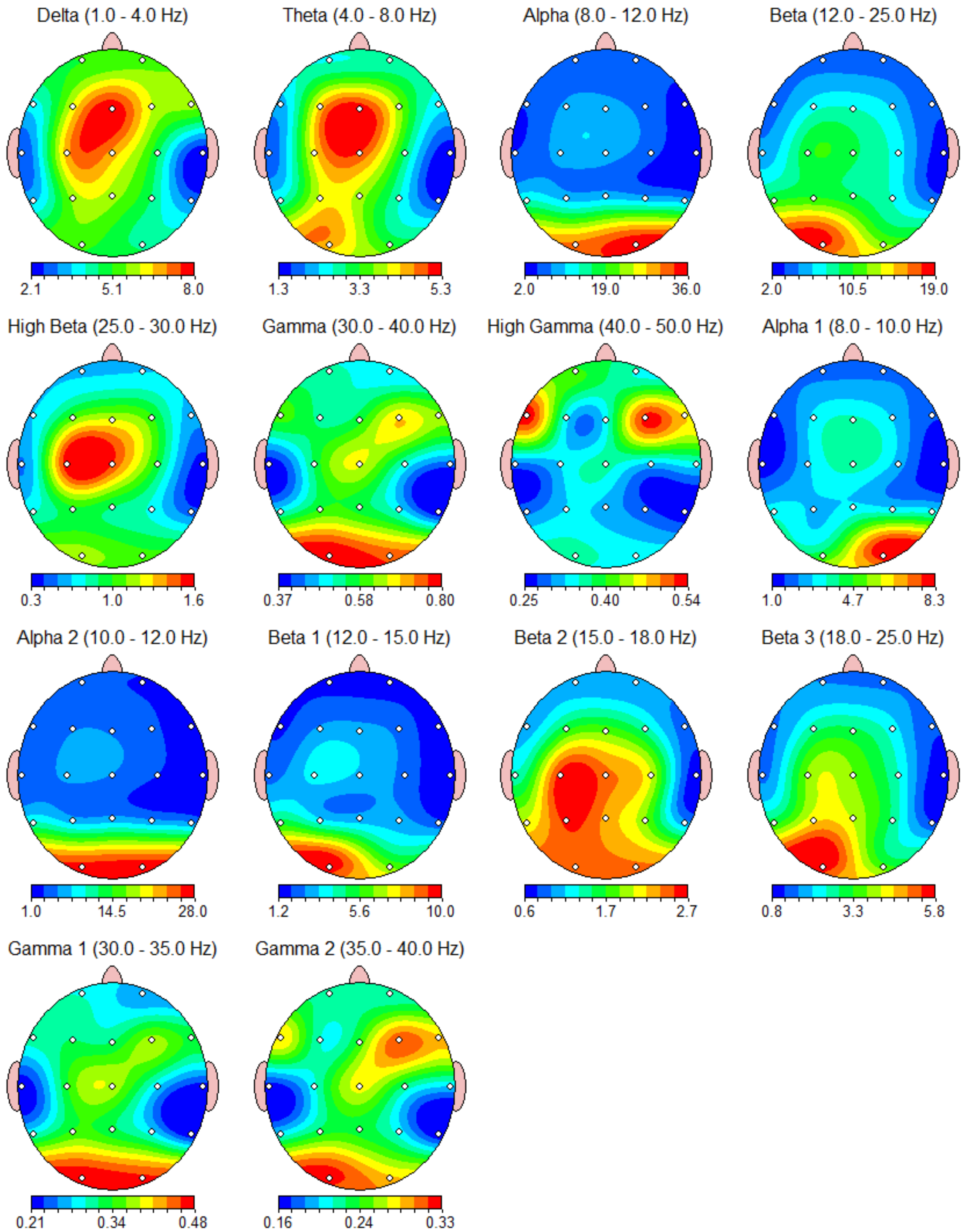


Z-Score ≥ 1.96

Z-Score ≥ 2.58

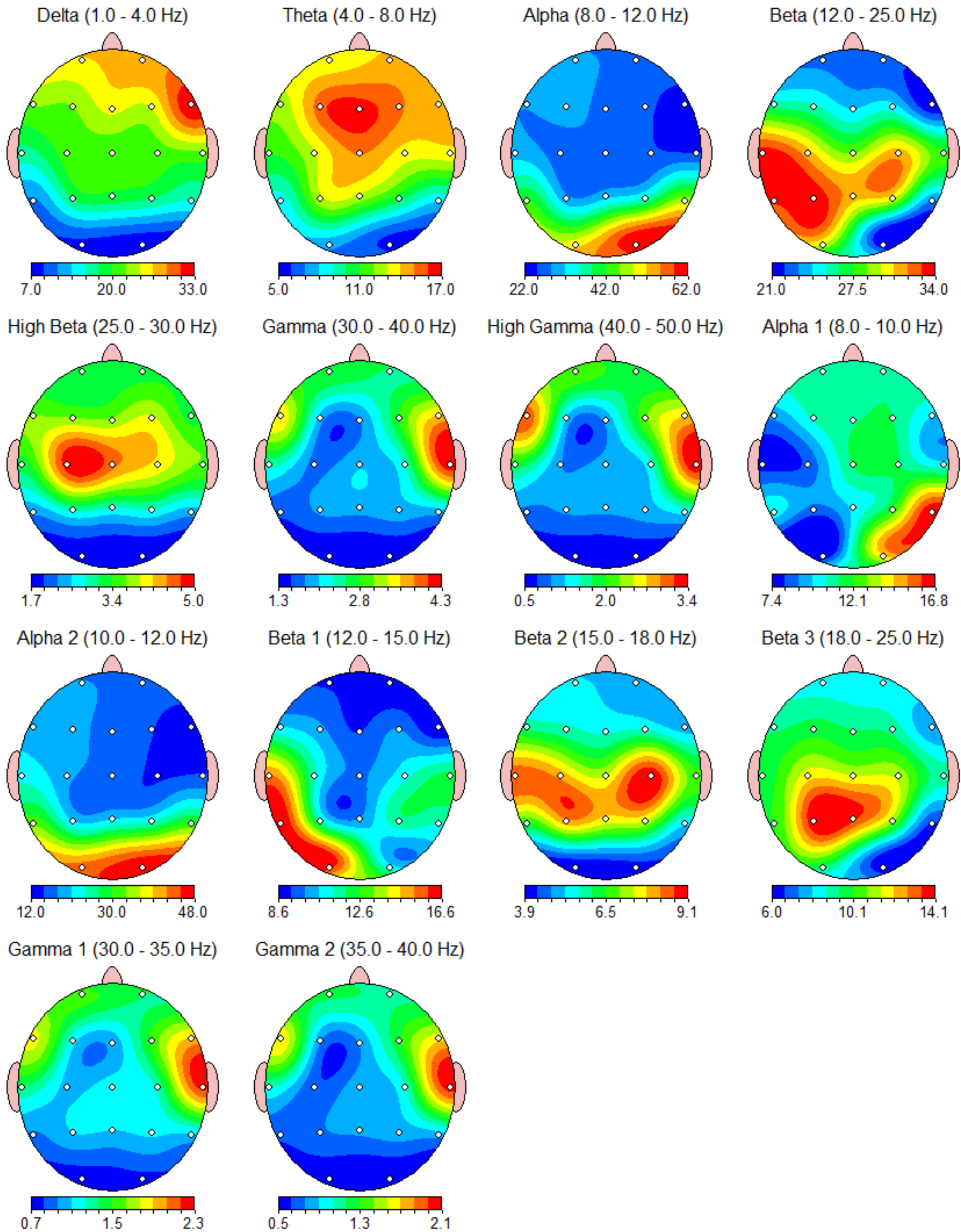
Z-Score ≥ 3.09

FFT Absolute Power (uV Sq)

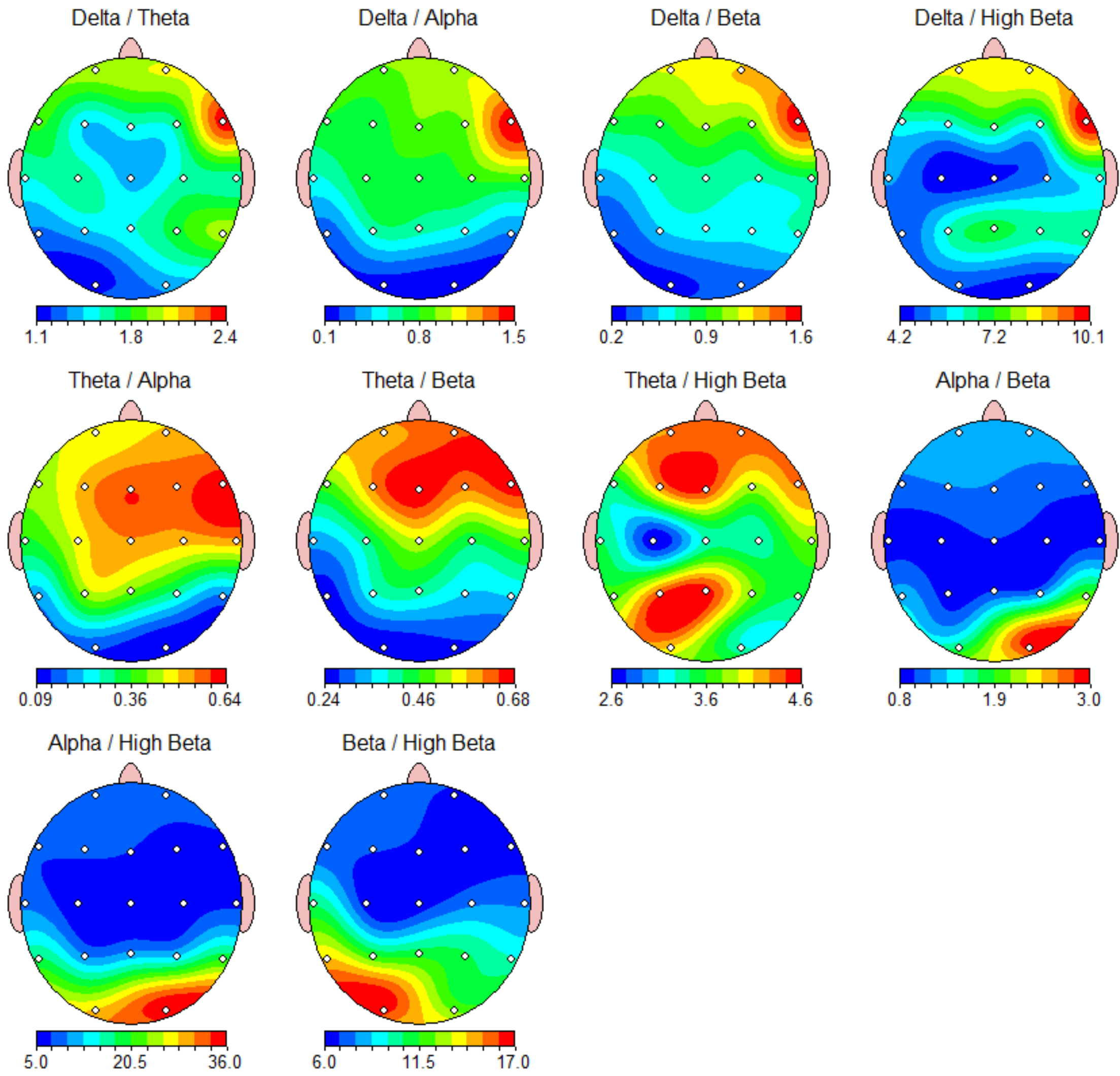


FFT Relative Power (%)

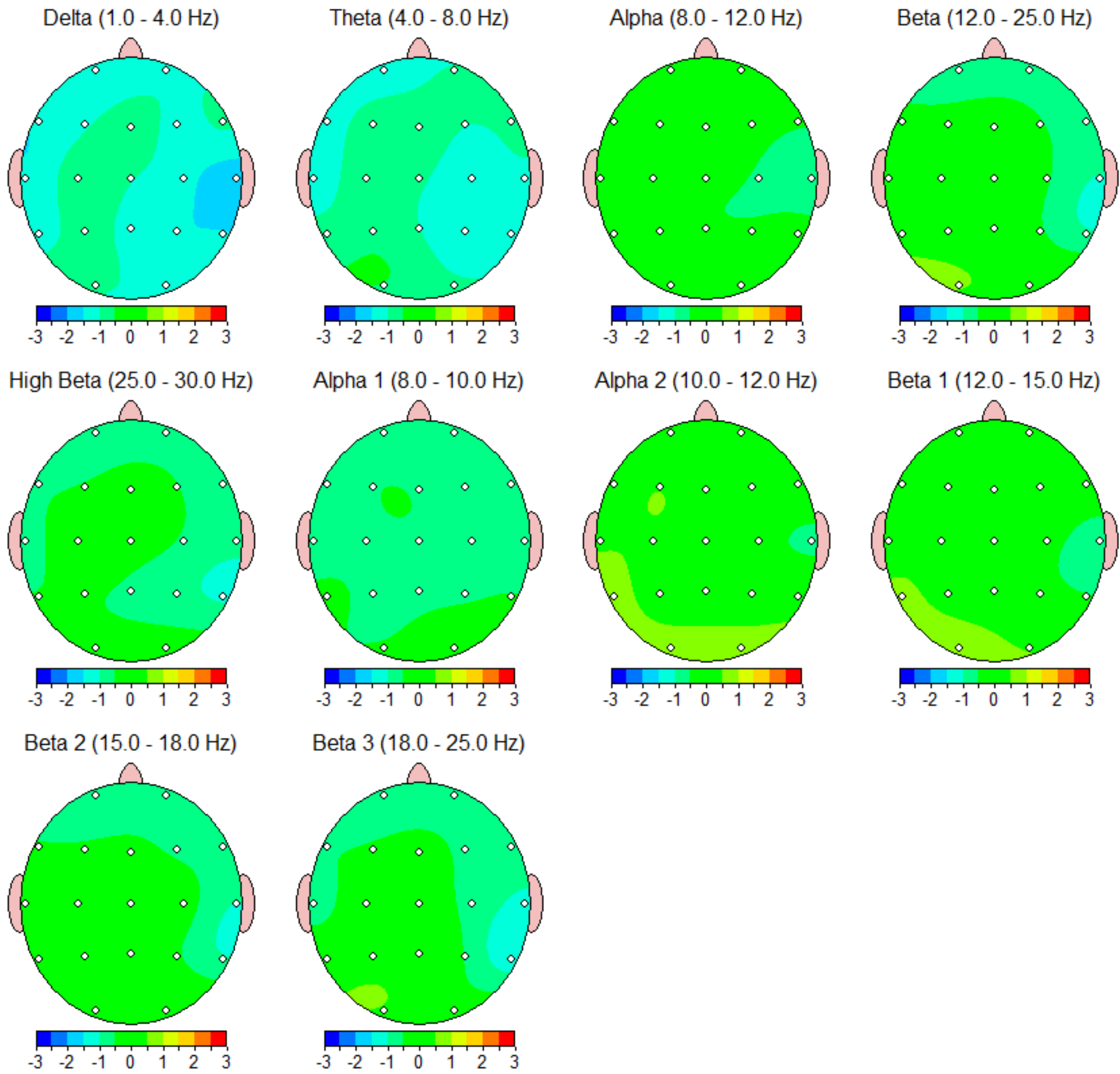
Warning: Absolute power must be consulted to interpret relative power.



FFT Power Ratio

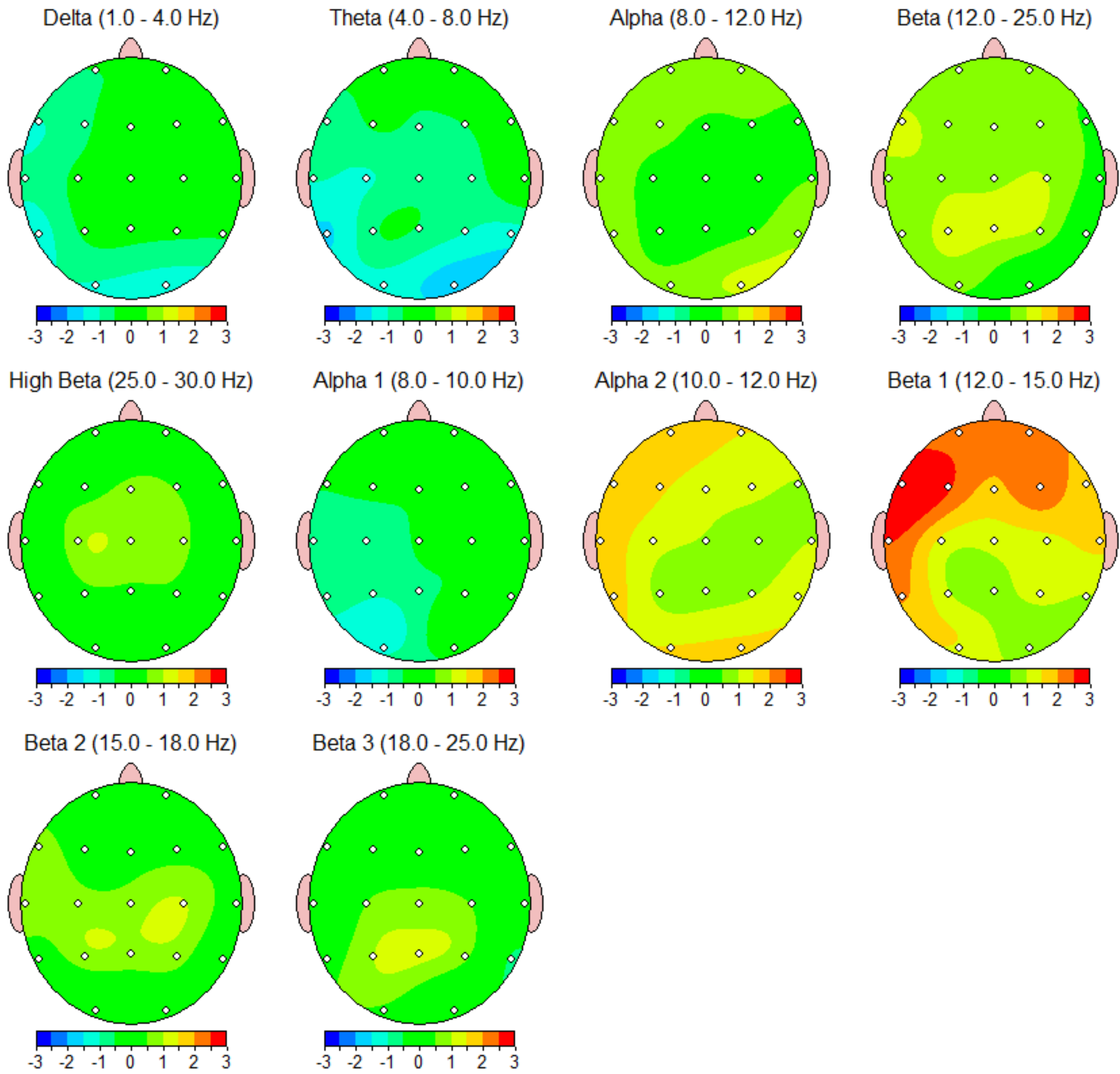


Z Scored FFT Absolute Power

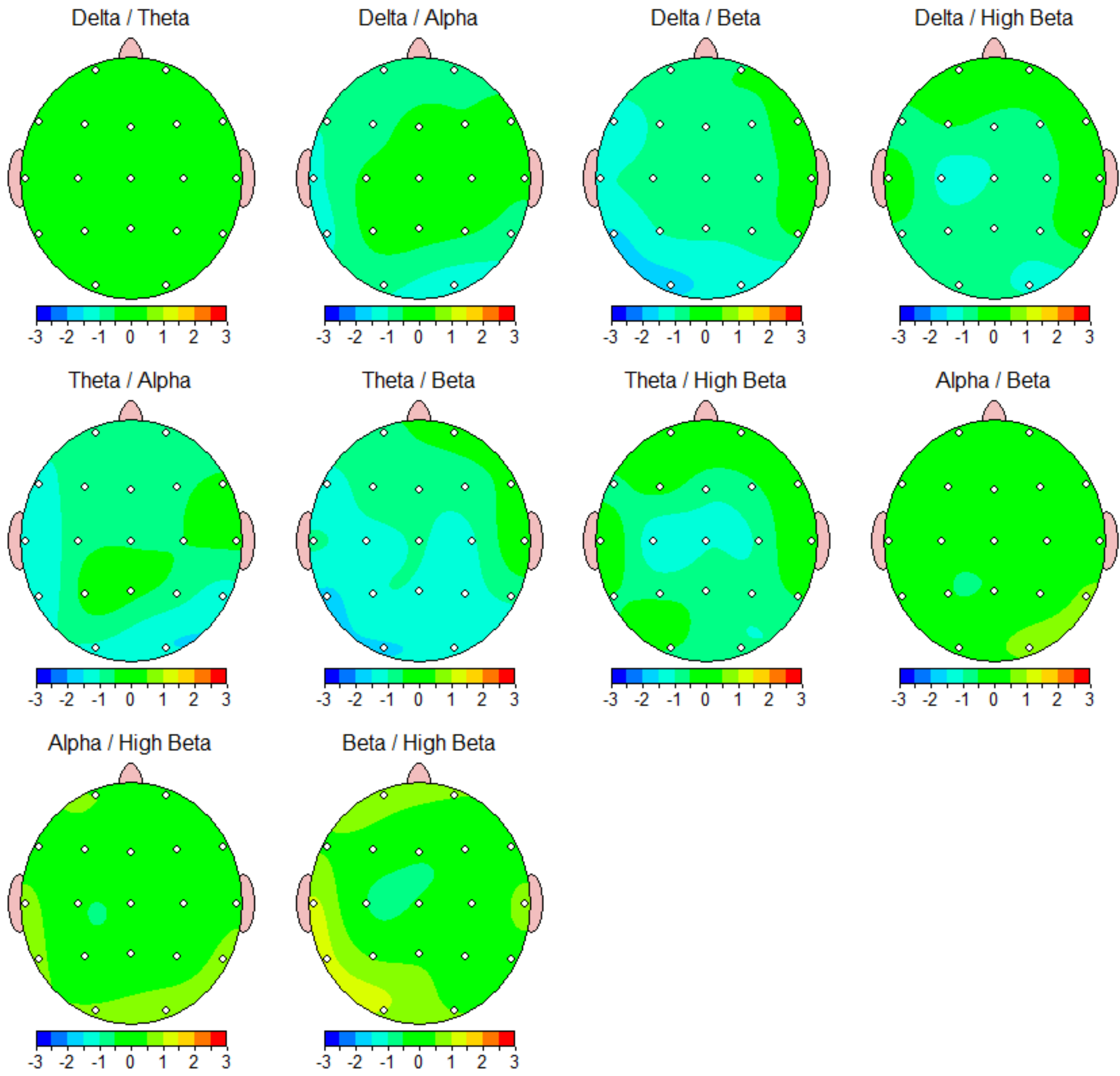


Z Scored FFT Relative Power

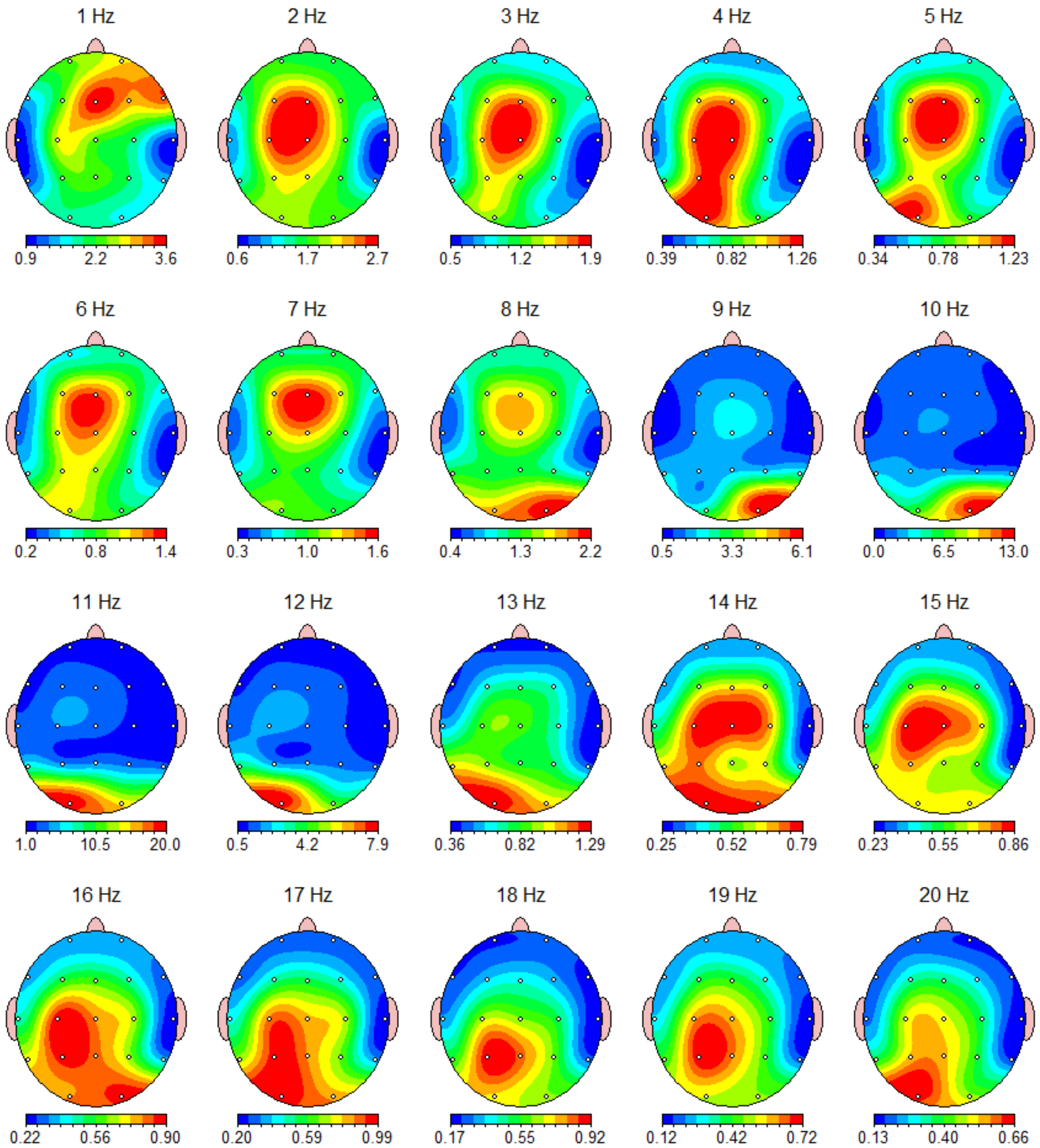
Warning: Absolute power must be consulted to interpret relative power.



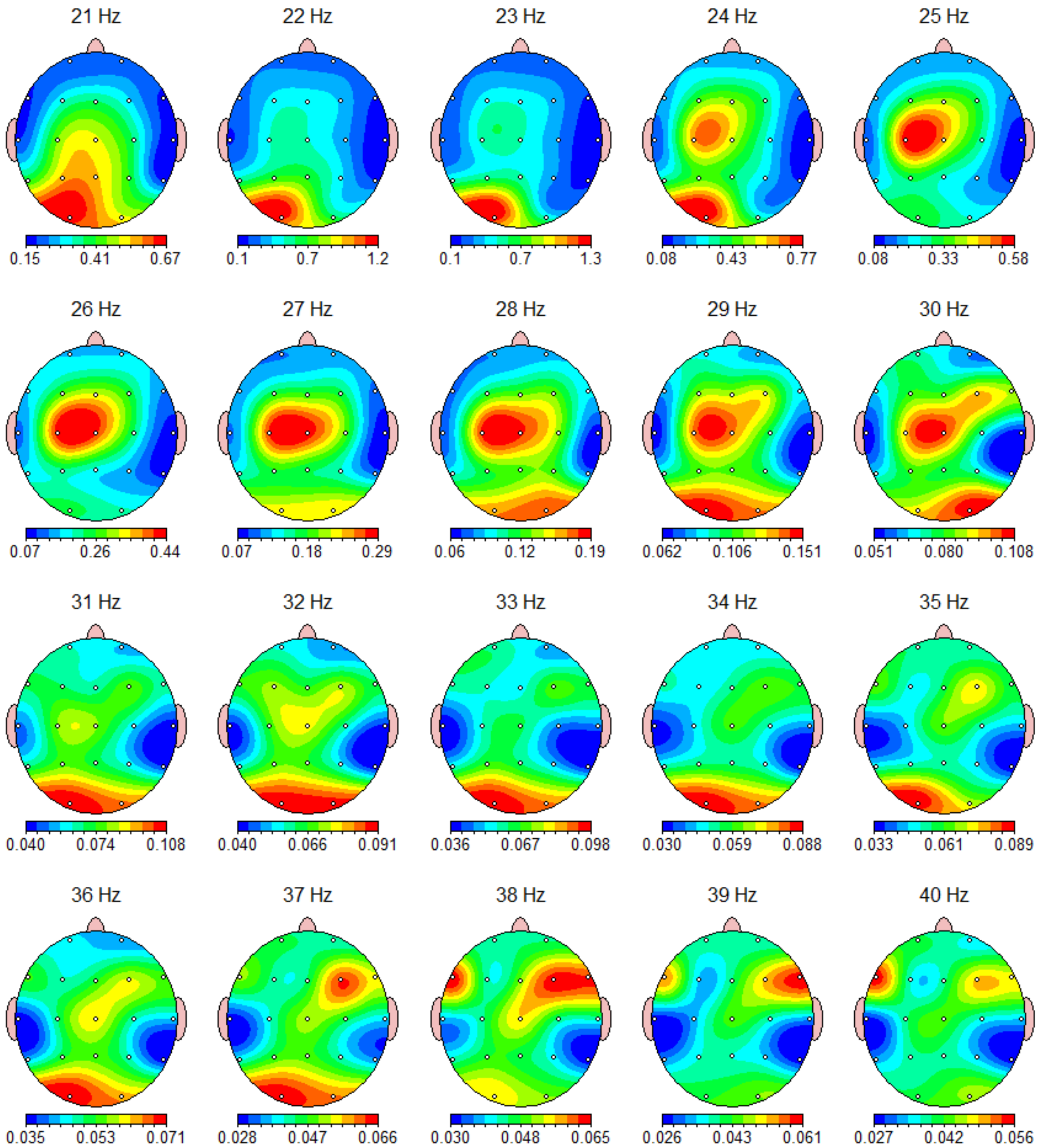
Z Scored FFT Power Ratio



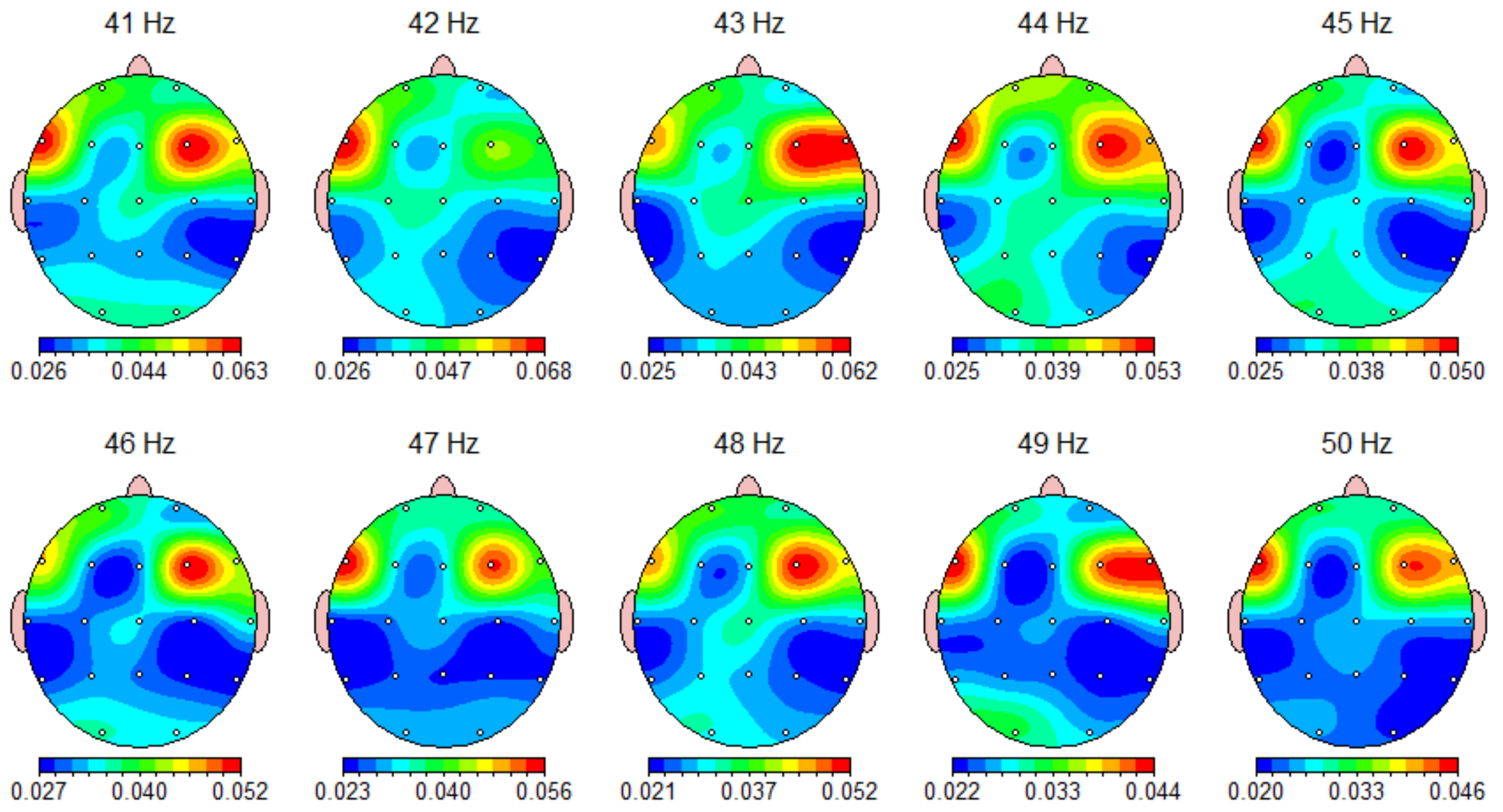
FFT Absolute Power (uV Sq)



FFT Absolute Power (uV Sq)

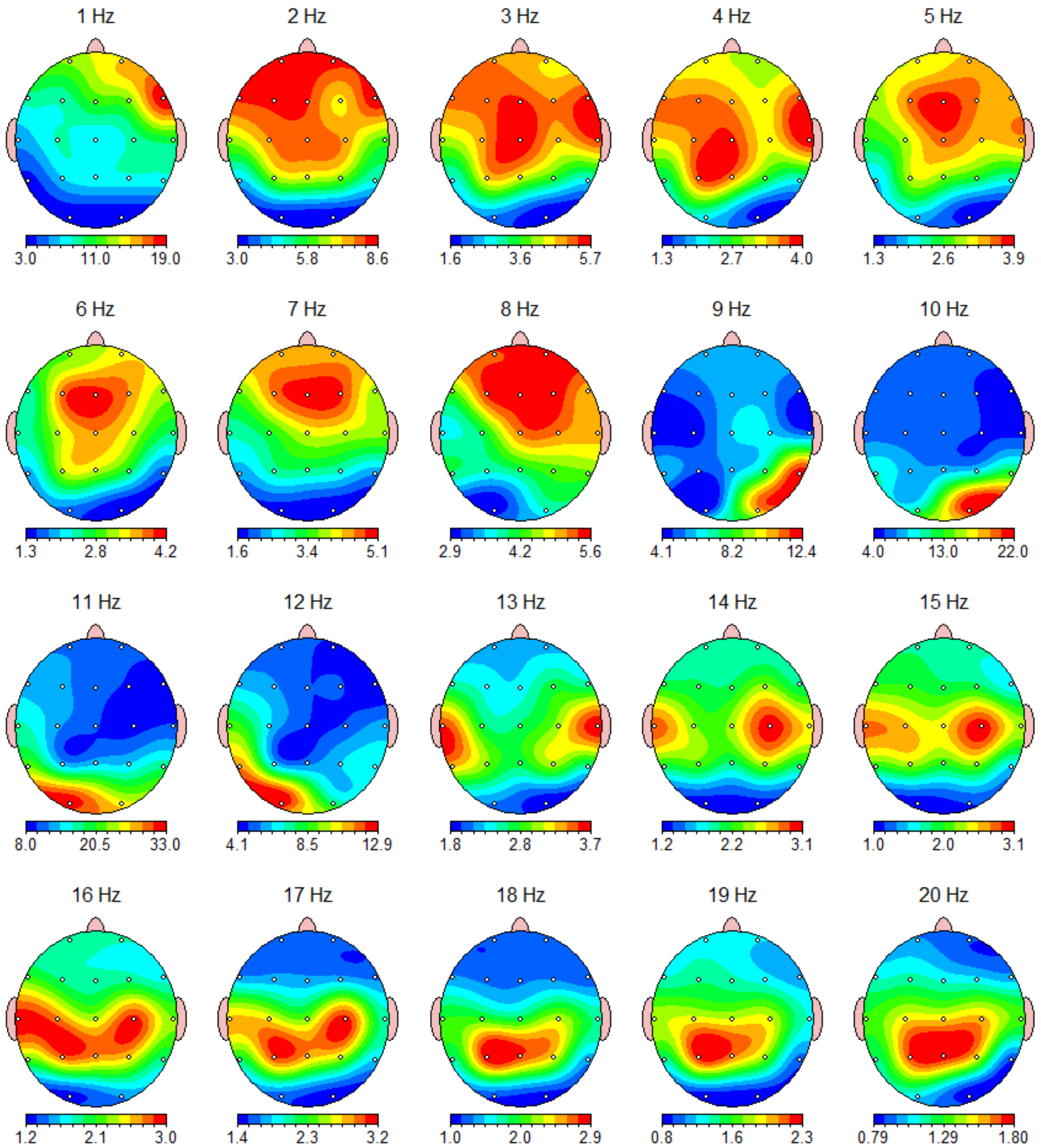


FFT Absolute Power (uV Sq)



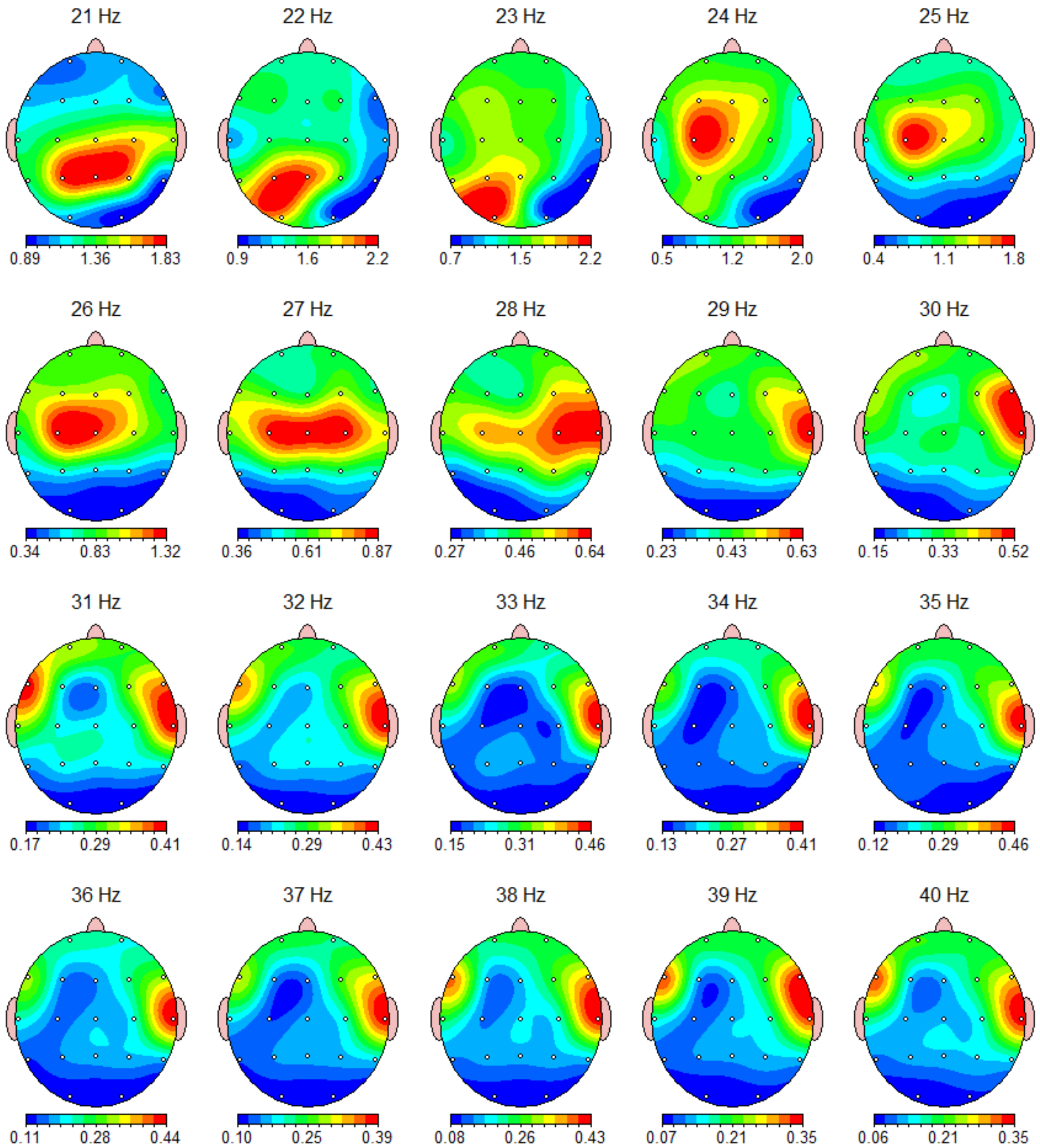
FFT Relative Power (%)

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



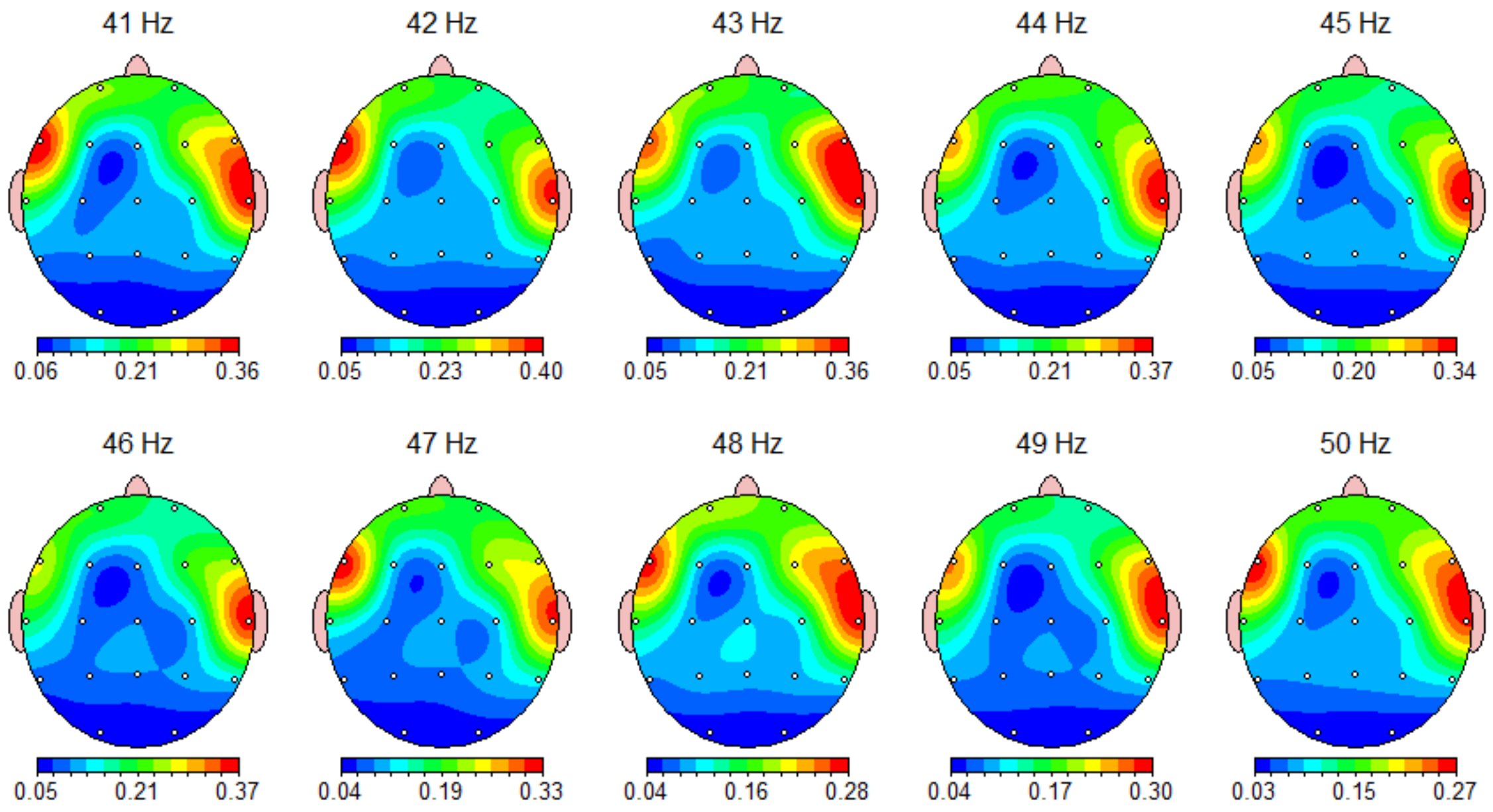
FFT Relative Power (%)

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

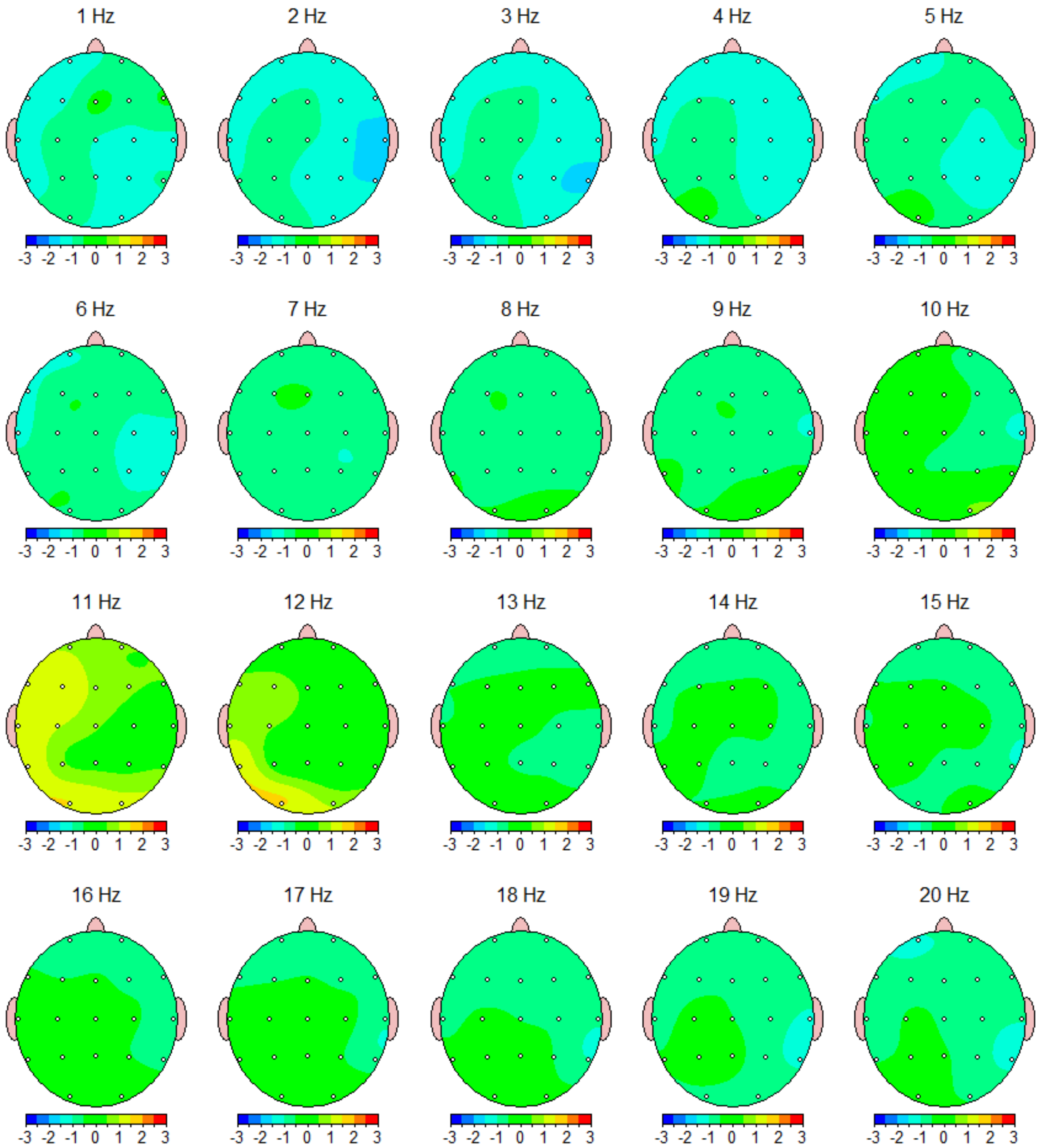


FFT Relative Power (%)

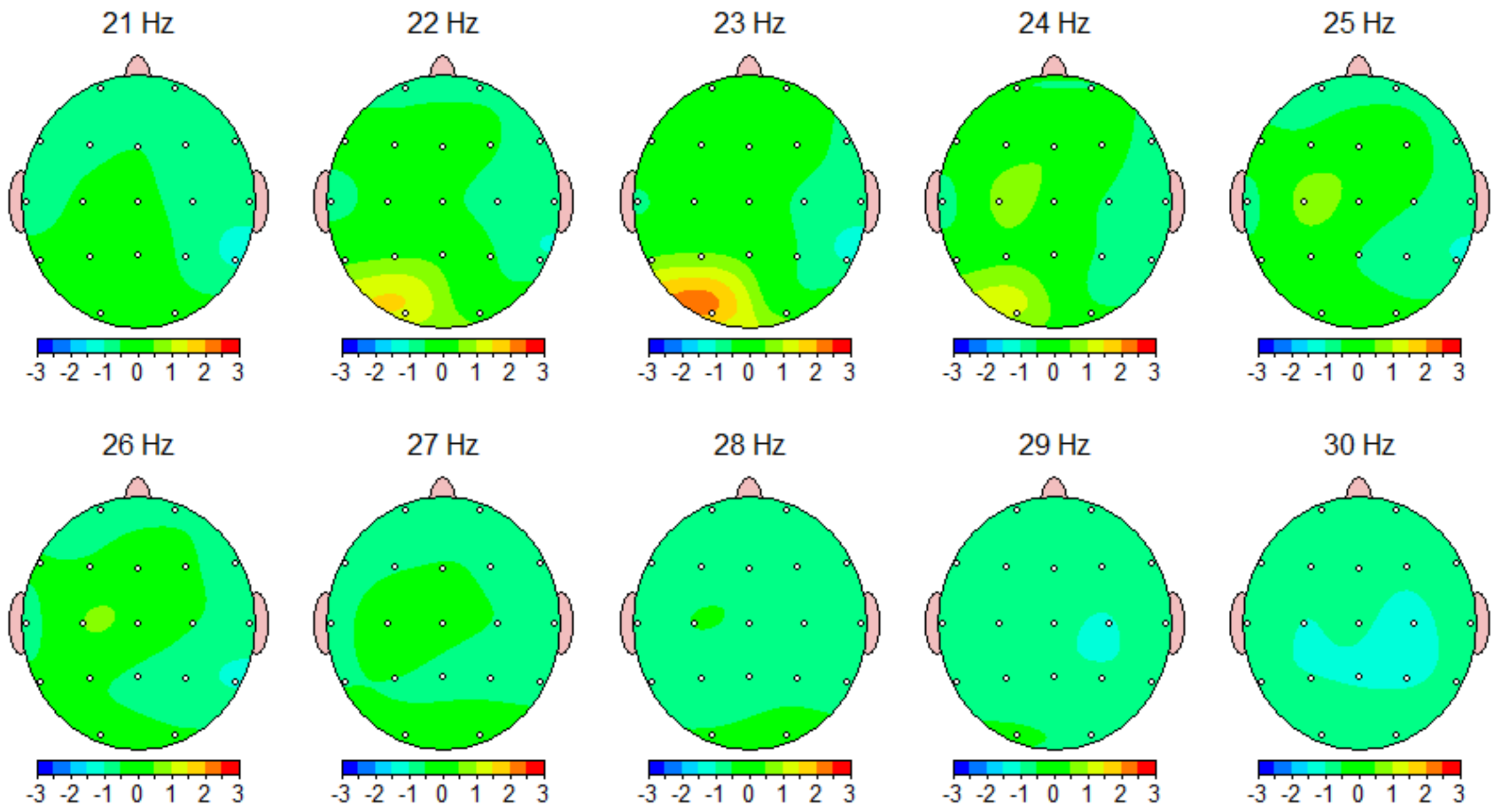
Warning: Absolute power must be consulted to interpret relative power.



Z Scored FFT Absolute Power

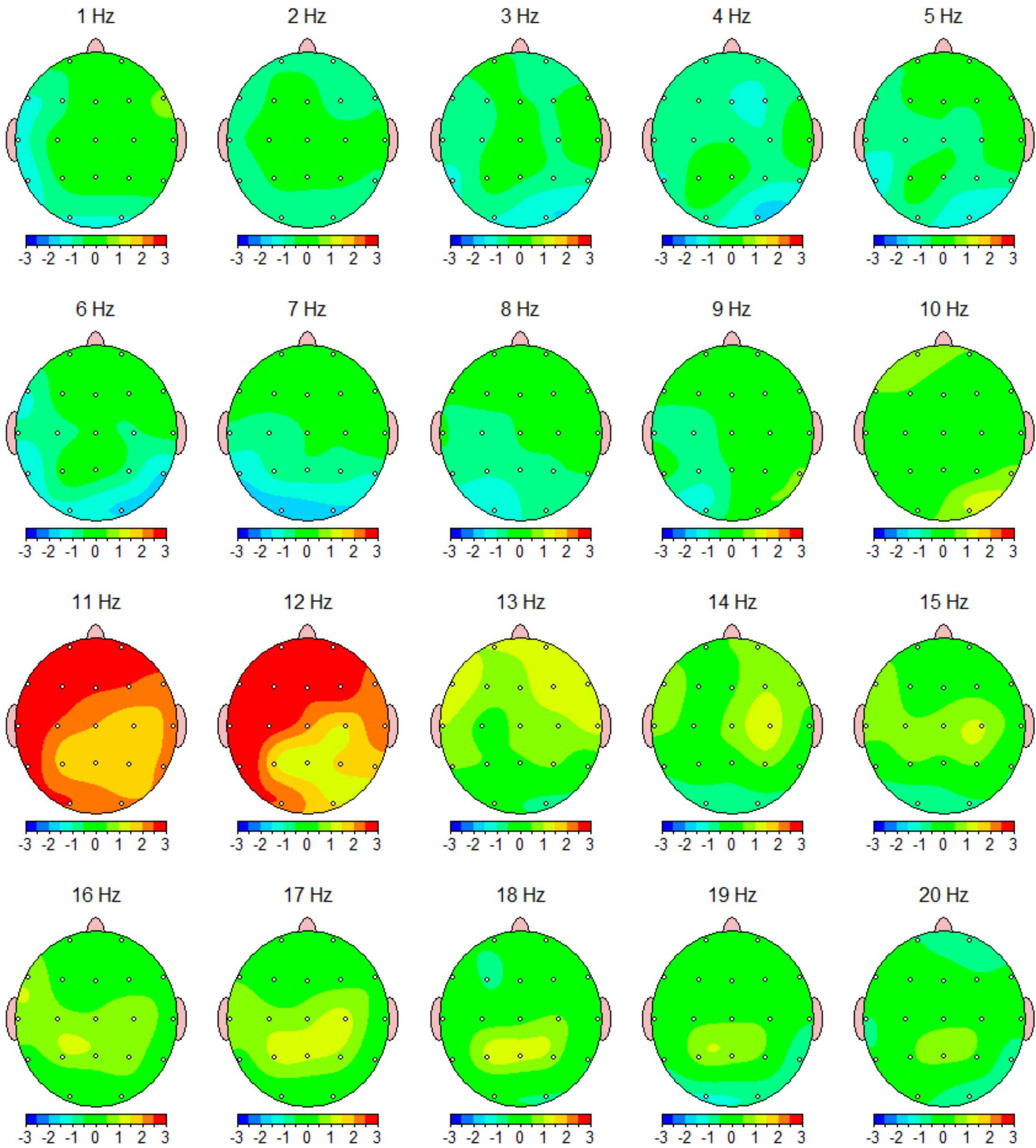


Z Scored FFT Absolute Power



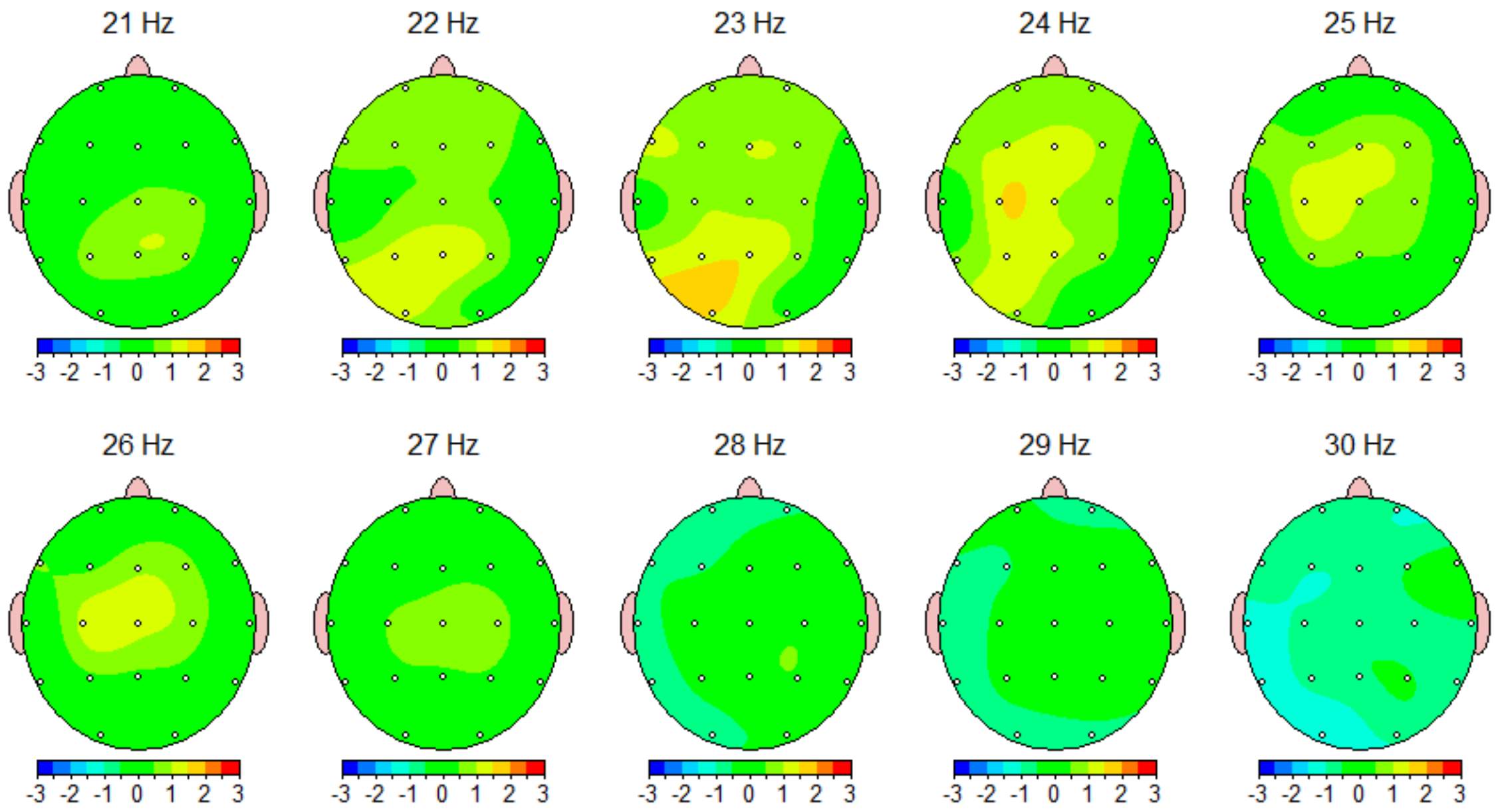
Z Scored FFT Relative Power

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

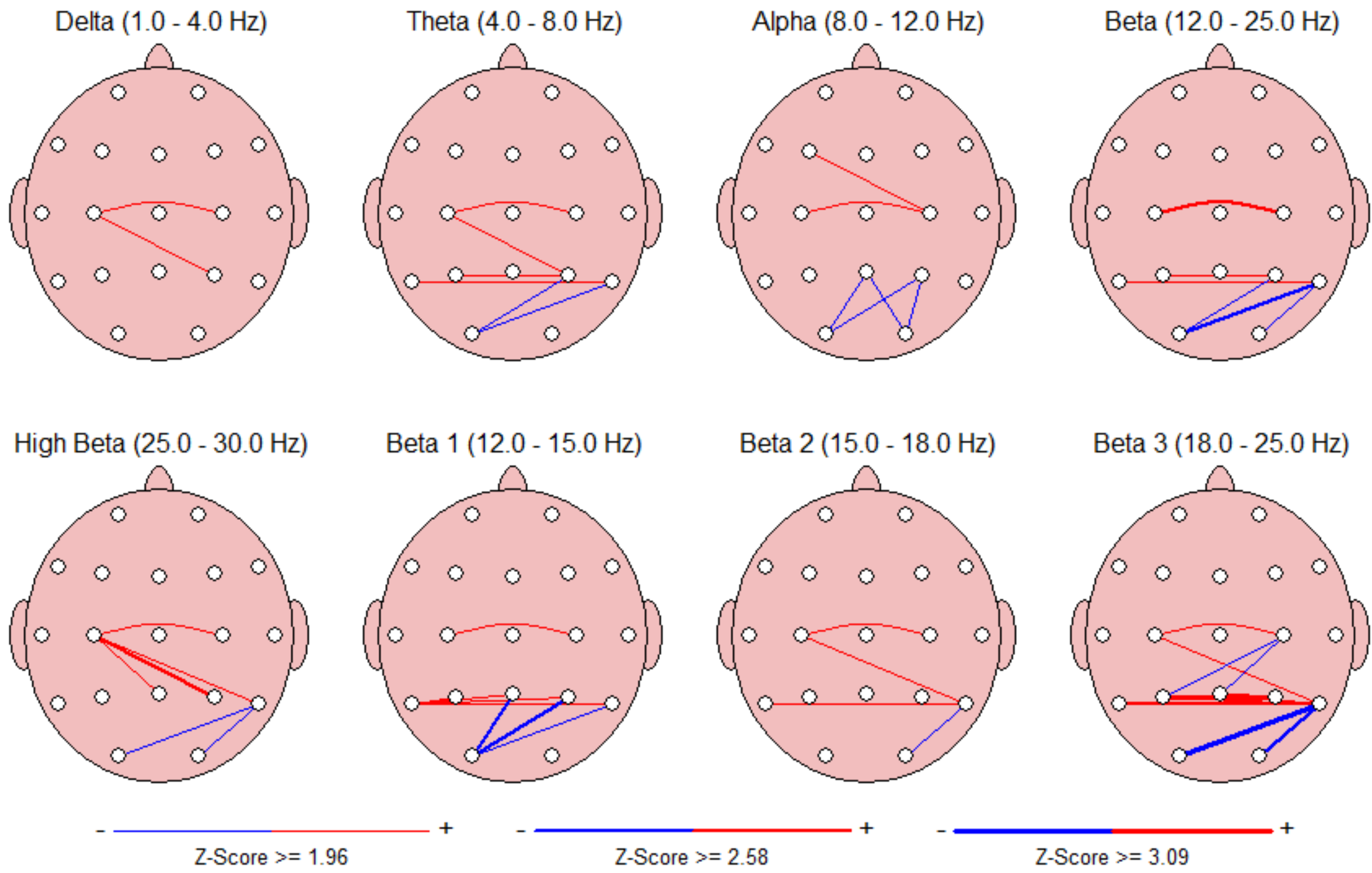


Z Scored FFT Relative Power

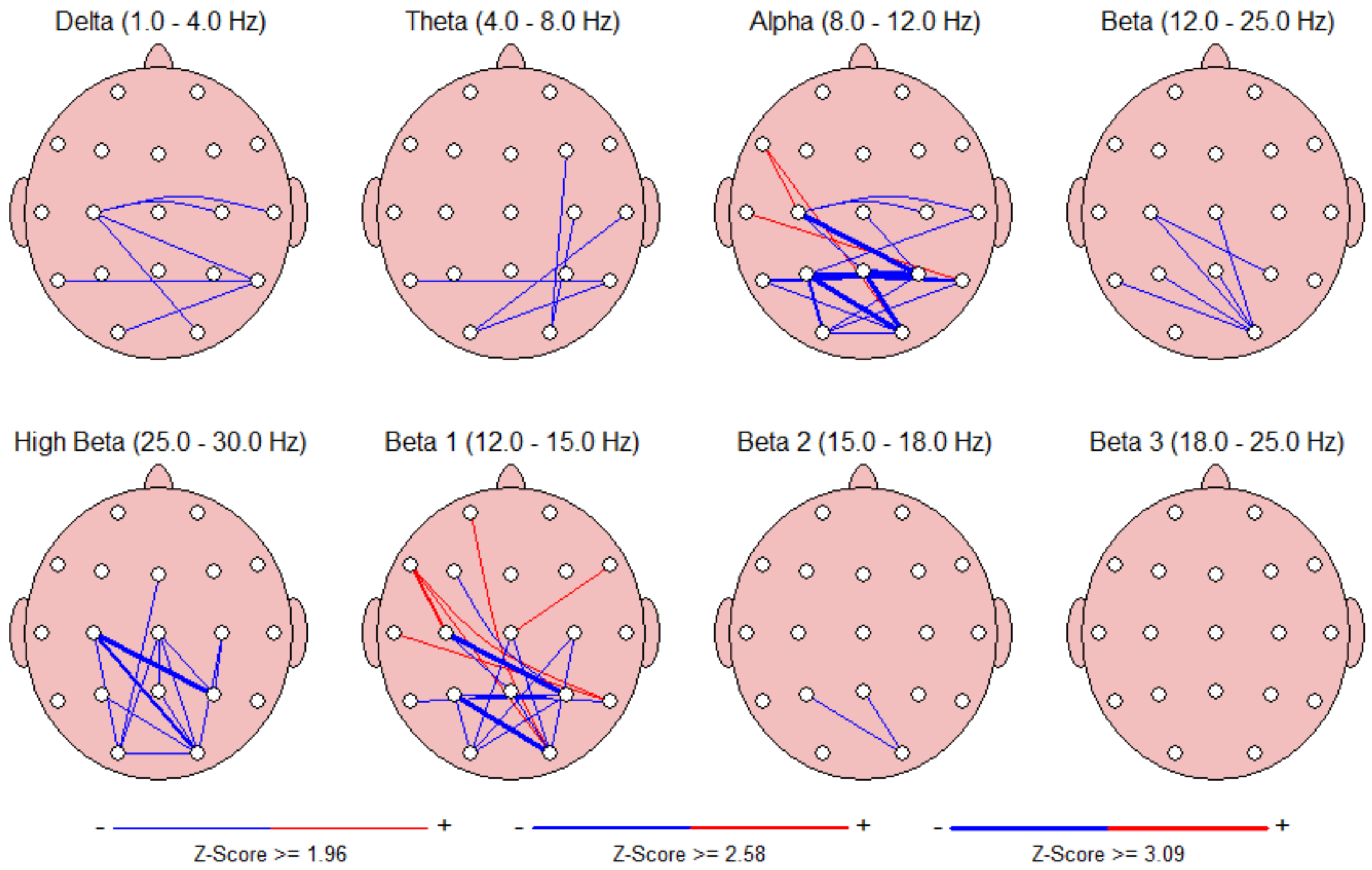
Warning: Absolute power must be consulted to interpret relative power.



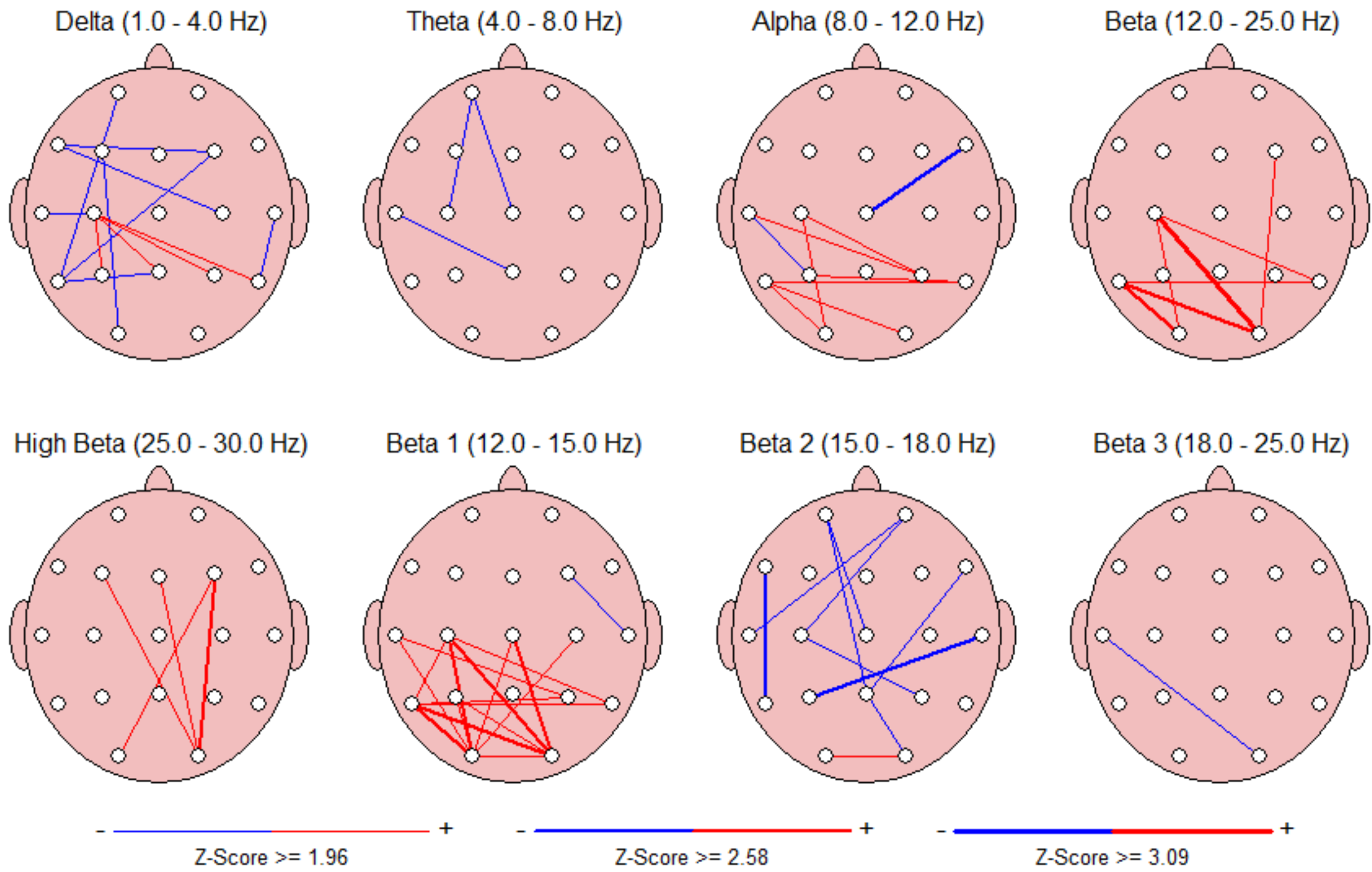
Z Scored FFT Amplitude Asymmetry



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	1.96	5.88	10.11	16.76	26.83	12.84	16.20	21.36
F7 - LE	2.07	5.73	10.27	16.63	26.75	12.80	16.19	21.33
F3 - LE	2.10	5.85	10.15	16.87	26.64	12.83	16.20	21.44
T3 - LE	2.13	5.67	10.46	15.98	26.86	12.78	16.23	20.83
C3 - LE	2.09	5.71	10.28	16.88	26.53	12.83	16.24	21.21
T5 - LE	2.17	5.73	10.48	15.92	26.81	12.59	16.26	21.16
P3 - LE	2.14	5.65	10.29	17.05	26.73	12.83	16.34	20.92
O1 - LE	2.15	5.66	10.71	15.88	26.87	12.41	16.39	21.62

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP2 - LE	1.88	5.89	10.04	16.81	26.80	12.89	16.22	21.33
F4 - LE	1.96	5.92	9.98	16.82	26.76	12.97	16.22	21.37
F8 - LE	1.84	5.75	9.96	16.65	26.94	12.98	16.26	21.15
C4 - LE	2.07	5.81	9.98	16.78	26.78	13.06	16.26	20.87
T4 - LE	2.04	5.67	10.08	16.27	27.09	12.94	16.20	20.86
P4 - LE	2.01	5.76	10.21	16.59	26.96	12.87	16.30	20.79
T6 - LE	1.92	5.74	10.19	15.89	27.06	12.76	16.31	20.85
O2 - LE	2.08	5.82	10.38	15.73	27.01	12.55	16.33	21.04

Intrahemispheric: CENTER

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
Fz - LE	2.03	5.90	10.04	16.97	26.59	12.90	16.22	21.41
Cz - LE	2.20	5.77	10.03	17.07	26.63	12.97	16.25	21.14
Pz - LE	2.09	5.69	10.24	17.20	26.85	12.87	16.35	20.88

Z Scored Peak Frequency

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP1 - LE	-0.16	0.57	2.47	-0.66	-1.86	-2.41	-0.42	1.45
F7 - LE	0.52	0.16	3.12	-0.75	-3.40	-2.83	-0.20	1.88
F3 - LE	0.24	0.35	2.66	-0.46	-2.34	-2.30	-0.29	1.76
T3 - LE	0.51	-0.09	3.62	-1.31	-1.92	-3.34	0.34	-0.04
C3 - LE	-0.45	-0.17	2.82	-0.18	-2.63	-2.10	0.20	1.45
T5 - LE	0.32	-0.27	2.66	-1.15	-1.92	-3.30	0.64	1.46
P3 - LE	0.09	-0.48	2.10	0.34	-2.24	-1.59	1.09	0.79
O1 - LE	0.14	-0.67	2.72	-0.72	-1.42	-3.24	2.05	2.34

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
FP2 - LE	-0.68	0.64	2.07	-0.56	-1.88	-1.99	-0.05	1.23
F4 - LE	-0.79	0.59	1.88	-0.49	-1.50	-1.22	0.17	1.52
F8 - LE	-1.15	0.27	1.55	-0.74	-1.02	-1.34	0.68	0.93
C4 - LE	-0.71	0.21	1.50	-0.33	-1.12	-0.39	0.42	0.32
T4 - LE	-0.02	-0.19	1.45	-0.91	-0.48	-1.83	-0.17	-0.02
P4 - LE	-1.02	0.01	1.60	-0.18	-0.37	-1.24	0.78	0.30
T6 - LE	-1.58	-0.20	1.40	-1.15	-0.23	-2.05	0.81	0.54
O2 - LE	-0.51	0.22	1.69	-1.01	-0.30	-2.65	1.48	0.94

Intrahemispheric: CENTER

	DELTA	THETA	ALPHA	BETA	HIGH BETA	BETA 1	BETA 2	BETA 3
Fz - LE	-0.85	0.49	2.28	-0.09	-2.26	-1.63	0.15	1.78
Cz - LE	0.27	0.07	1.88	0.01	-1.45	-1.06	0.40	0.88
Pz - LE	-0.35	-0.28	1.69	0.55	-1.04	-1.31	1.33	0.60

FFT Amplitude Asymmetry

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	27.04	19.02	12.48	-1.42
FP1 F3	-21.37	-50.78	-39.08	-48.19
FP1 T3	61.63	39.97	13.98	-18.34
FP1 C3	-30.23	-47.01	-44.23	-78.67
FP1 T5	36.22	-3.98	-82.09	-81.87
FP1 P3	-12.55	-43.23	-50.87	-83.13
FP1 O1	-2.89	-52.23	-138.68	-121.32
F7 F3	-47.73	-68.15	-50.94	-46.85
F7 T3	36.09	21.36	1.50	-16.93
F7 C3	-56.13	-64.59	-55.93	-77.46
F7 T5	9.41	-22.95	-92.21	-80.68
F7 P3	-39.26	-61.00	-62.35	-81.95
F7 O1	-29.88	-69.52	-144.89	-120.42
F3 T3	80.35	86.37	52.34	30.53
F3 C3	-9.01	4.01	-5.38	-33.67
F3 T5	56.50	47.04	-46.76	-37.36
F3 P3	8.88	7.99	-12.40	-38.82
F3 O1	18.51	-1.55	-115.21	-85.64
T3 C3	-87.77	-83.08	-57.32	-62.59
T3 T5	-26.91	-43.78	-93.39	-66.00
T3 P3	-72.77	-79.76	-63.71	-67.35
T3 O1	-64.23	-87.63	-145.60	-109.04
C3 T5	64.69	43.24	-41.64	-3.81
C3 P3	17.85	3.98	-7.03	-5.33
C3 O1	27.40	-5.56	-111.56	-56.01
T5 P3	-48.23	-39.43	34.87	-1.52
T5 O1	-39.01	-48.51	-79.10	-52.48
P3 O1	9.67	-9.54	-106.62	-51.07

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-11.46	-31.81	-20.55	-35.59
FP2 F8	-6.64	10.50	31.22	14.36
FP2 C4	13.84	-9.61	-8.01	-47.47
FP2 T4	85.17	66.50	70.36	42.33
FP2 P4	17.43	2.90	-53.10	-55.86
FP2 T6	56.38	52.80	-54.05	-5.79
FP2 O2	19.37	-18.09	-147.77	-96.05
F4 F8	4.84	41.96	50.96	49.32
F4 C4	25.20	22.37	12.59	-12.40
F4 T4	94.34	93.37	87.74	75.10
F4 P4	28.75	34.63	-33.46	-21.32
F4 T6	66.77	81.20	-34.45	29.96
F4 O2	30.66	13.92	-137.67	-66.11
F8 C4	20.43	-20.05	-38.99	-60.79
F8 T4	90.53	57.00	41.41	28.41
F8 P4	23.99	-7.60	-80.97	-68.83
F8 T6	62.44	42.90	-81.82	-20.11
F8 O2	25.92	-28.45	-160.48	-106.73
C4 T4	73.50	74.91	77.28	85.51
C4 P4	3.61	12.50	-45.57	-8.98
C4 T6	43.39	61.63	-46.54	41.97
C4 O2	5.57	-8.52	-144.02	-54.83
T4 P4	-70.36	-63.91	-112.91	-92.71
T4 T6	-32.72	-15.01	-113.61	-47.83
T4 O2	-68.64	-82.12	-173.13	-125.61
P4 T6	39.94	50.10	-1.02	50.47
P4 O2	1.96	-20.97	-117.78	-46.42
T6 O2	-38.05	-69.24	-117.11	-91.53

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	-6.03	-3.53	6.05	3.91
F3 F4	3.95	16.27	24.88	17.05
C3 C4	37.84	34.42	42.35	38.19
P3 P4	23.89	42.63	3.65	34.65

	DELTA	THETA	ALPHA	BETA
F7 F8	-39.36	-12.08	24.90	19.65
T3 T4	21.16	24.95	63.30	63.06
T5 T6	15.27	53.22	37.41	80.29
O1 O2	16.26	31.53	-12.63	39.43

Z Scored FFT Amplitude Asymmetry

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	0.18	-0.11	-0.27	-1.07
FP1 F3	-0.58	-1.14	-1.00	-1.09
FP1 T3	0.14	0.05	-0.26	-0.45
FP1 C3	-1.12	-0.88	-0.42	-1.08
FP1 T5	-0.25	-0.44	-1.02	-1.35
FP1 P3	-0.55	-0.66	0.06	-0.92
FP1 O1	-0.50	-0.92	-1.10	-1.50
F7 F3	-0.70	-1.10	-0.56	-0.13
F7 T3	0.04	0.10	-0.17	0.02
F7 C3	-1.15	-0.98	-0.26	-0.75
F7 T5	-0.34	-0.42	-0.90	-1.05
F7 P3	-0.58	-0.62	0.12	-0.58
F7 O1	-0.56	-0.94	-0.94	-1.14
F3 T3	0.69	0.87	0.16	0.11
F3 C3	-0.77	0.09	0.21	-0.67
F3 T5	0.43	0.54	-0.75	-0.93
F3 P3	-0.08	0.07	0.51	-0.50
F3 O1	0.00	-0.24	-0.94	-1.18
T3 C3	-1.22	-0.85	-0.06	-0.51
T3 T5	-0.37	-0.50	-0.83	-0.93
T3 P3	-0.71	-0.71	0.27	-0.48
T3 O1	-0.64	-0.99	-0.89	-1.02
C3 T5	1.45	0.55	-0.88	-0.52
C3 P3	0.69	0.03	0.50	0.02
C3 O1	0.73	-0.33	-1.06	-0.91
T5 P3	-0.58	-0.52	1.85	1.00
T5 O1	-0.55	-1.01	-0.55	-0.54
P3 O1	0.14	-0.38	-1.80	-1.02

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	-0.49	-0.38	-0.04	-0.54
FP2 F8	-0.66	-0.51	0.20	-0.33
FP2 C4	-0.16	0.15	0.55	-0.35
FP2 T4	0.23	0.12	0.82	0.38
FP2 P4	0.03	0.37	0.08	-0.33
FP2 T6	0.14	0.74	-0.25	0.17
FP2 O2	-0.13	-0.20	-1.07	-0.90
F4 F8	-0.33	-0.21	0.30	0.40
F4 C4	0.46	1.18	1.07	0.09
F4 T4	0.86	0.57	0.93	0.98
F4 P4	0.67	1.13	0.18	0.05
F4 T6	0.83	1.40	-0.25	0.89
F4 O2	0.32	0.07	-1.31	-0.89
F8 C4	0.58	0.74	0.44	-0.20
F8 T4	1.06	0.76	0.73	0.70
F8 P4	0.70	0.87	-0.06	-0.19
F8 T6	0.84	1.29	-0.39	0.59
F8 O2	0.51	0.15	-1.17	-0.96
C4 T4	0.49	-0.08	0.30	0.90
C4 P4	0.44	0.65	-0.43	0.01
C4 T6	0.51	0.92	-0.77	0.93
C4 O2	-0.01	-0.48	-1.65	-1.08
T4 P4	-0.23	0.36	-0.52	-0.70
T4 T6	-0.12	0.87	-0.77	-0.24
T4 O2	-0.39	-0.37	-1.27	-1.16
P4 T6	0.19	0.77	-0.66	1.06
P4 O2	-0.35	-1.08	-2.21	-1.47
T6 O2	-0.49	-1.65	-1.80	-2.35

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	0.03	0.08	0.43	0.23
F3 F4	0.18	1.07	1.73	0.99
C3 C4	2.14	2.42	2.28	2.71
P3 P4	1.17	2.12	0.45	2.14

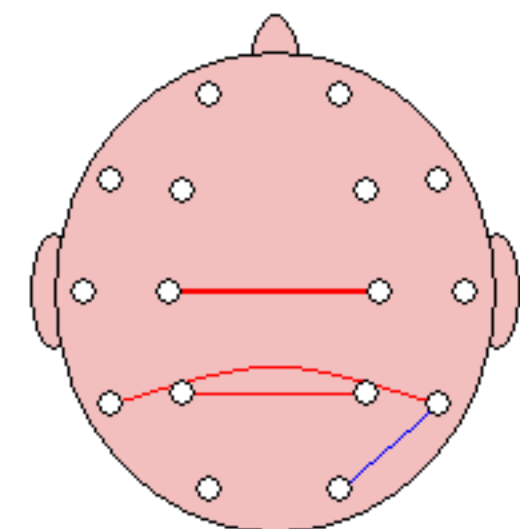
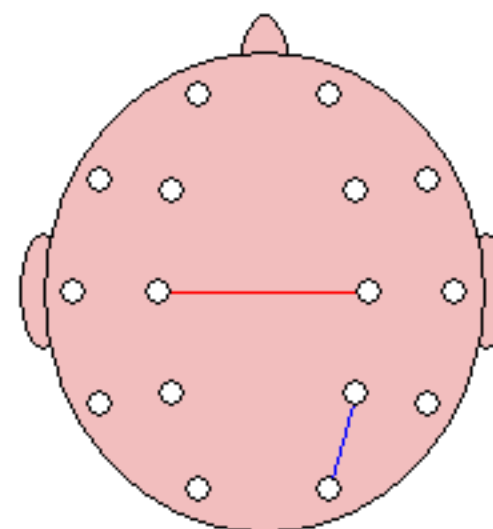
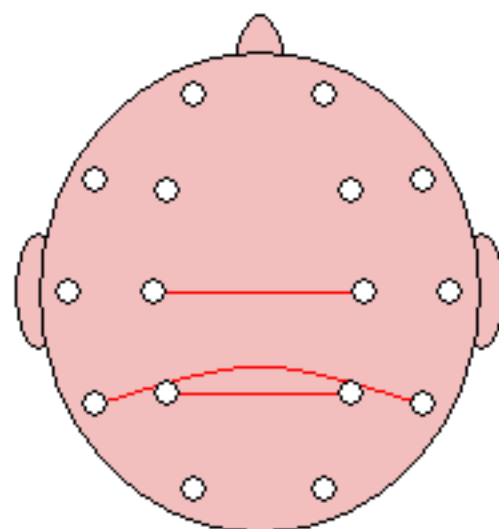
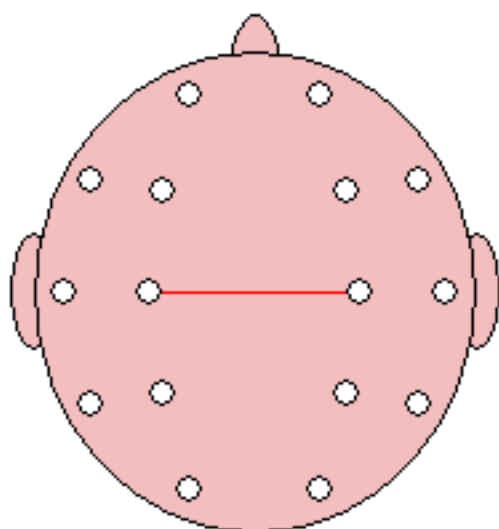
	DELTA	THETA	ALPHA	BETA
F7 F8	-0.82	-0.54	0.98	0.76
T3 T4	0.12	0.11	1.38	1.35
T5 T6	0.73	2.03	1.14	2.57
O1 O2	0.80	1.57	-0.44	1.40

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	52.69	66.10	82.79	68.23
FP1 F3	65.97	75.37	92.40	81.94
FP1 T3	31.29	26.19	34.49	23.03
FP1 C3	41.88	45.04	70.59	45.88
FP1 T5	15.09	4.25	9.09	5.98
FP1 P3	15.42	15.70	13.58	10.14
FP1 O1	6.84	1.00	16.19	2.66
F7 F3	62.26	71.19	89.04	77.48
F7 T3	63.47	59.86	64.80	55.49
F7 C3	43.02	55.85	83.62	59.67
F7 T5	22.86	14.56	12.53	15.25
F7 P3	17.17	20.99	22.44	15.65
F7 O1	5.05	2.92	9.36	2.42
F3 T3	56.19	41.19	47.17	38.08
F3 C3	76.88	74.58	85.86	71.22
F3 T5	31.96	13.01	9.71	11.10
F3 P3	38.46	29.96	22.85	19.84
F3 O1	15.49	4.72	10.64	1.46
T3 C3	64.80	61.46	71.74	64.56
T3 T5	65.09	62.27	50.67	60.65
T3 P3	46.36	49.47	42.95	42.04
T3 O1	28.37	24.01	5.83	10.24
C3 T5	52.34	38.17	20.44	35.23
C3 P3	50.82	65.24	49.12	54.87
C3 O1	33.14	21.10	2.41	5.91
T5 P3	69.94	65.28	43.20	58.08
T5 O1	70.83	64.08	51.58	51.29
P3 O1	63.52	63.20	34.06	46.14

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	67.50	79.86	91.04	82.10
FP2 F8	54.46	66.39	80.72	69.69
FP2 C4	35.49	42.96	53.37	38.49
FP2 T4	14.78	18.04	13.35	12.41
FP2 P4	23.02	13.33	3.52	4.30
FP2 T6	14.49	1.47	13.35	0.15
FP2 O2	3.67	0.28	24.18	2.73
F4 F8	53.47	73.47	88.39	75.72
F4 C4	71.90	68.93	73.04	58.64
F4 T4	32.80	28.89	24.76	21.12
F4 P4	43.22	25.19	8.80	11.01
F4 T6	32.00	6.33	7.50	0.73
F4 O2	11.48	0.25	15.42	0.61
F8 C4	31.01	52.29	72.61	52.78
F8 T4	33.82	49.03	42.24	38.82
F8 P4	15.31	17.88	11.10	12.29
F8 T6	11.83	8.69	4.66	4.39
F8 O2	1.09	0.04	11.57	0.19
C4 T4	37.26	42.29	54.38	40.22
C4 P4	70.04	63.37	44.72	55.13
C4 T6	48.45	27.90	11.85	19.70
C4 O2	29.62	9.93	4.60	5.25
T4 P4	23.81	30.35	42.55	31.97
T4 T6	30.79	40.27	34.43	43.58
T4 O2	8.78	3.59	6.82	7.44
P4 T6	72.99	61.31	64.26	60.75
P4 O2	61.69	49.81	50.55	48.66
T6 O2	57.25	51.53	67.01	57.56

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	71.69	73.47	90.98	82.43
F3 F4	49.78	53.76	73.14	57.40
C3 C4	33.54	38.86	27.82	24.70
P3 P4	64.25	54.43	15.41	31.58

	DELTA	THETA	ALPHA	BETA
F7 F8	0.58	7.43	31.58	14.51
T3 T4	0.25	3.46	11.09	5.64
T5 T6	10.90	2.36	2.45	1.20
O1 O2	57.51	53.13	40.83	41.81

Z Scored FFT Coherence

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	0.10	0.36	0.78	0.58
FP1 F3	0.56	0.48	1.03	0.71
FP1 T3	0.76	0.26	0.80	1.01
FP1 C3	0.82	0.53	1.55	1.08
FP1 T5	0.62	-0.48	0.33	0.57
FP1 P3	0.20	-0.00	0.07	0.31
FP1 O1	0.22	-0.84	1.01	0.17
F7 F3	0.77	0.87	1.31	0.93
F7 T3	1.23	0.93	1.03	1.29
F7 C3	1.13	1.49	2.50	1.84
F7 T5	1.06	0.33	0.50	0.74
F7 P3	0.56	0.57	0.79	0.41
F7 O1	0.16	-0.32	0.41	-0.34
F3 T3	0.90	0.21	0.65	0.90
F3 C3	0.86	0.54	1.31	0.96
F3 T5	0.41	-0.45	-0.19	0.11
F3 P3	0.23	-0.39	-0.14	-0.19
F3 O1	-0.11	-0.82	0.04	-1.01
T3 C3	0.90	0.61	1.04	1.02
T3 T5	1.15	0.85	0.59	1.00
T3 P3	0.57	0.57	0.31	0.56
T3 O1	0.42	0.27	-0.96	-0.36
C3 T5	0.03	-0.38	-0.81	-0.17
C3 P3	-1.09	-0.35	-0.80	-0.76
C3 O1	-0.60	-0.90	-1.81	-1.72
T5 P3	0.11	-0.28	-1.96	-0.75
T5 O1	0.32	-0.41	-1.75	-0.96
P3 O1	-0.31	-0.29	-2.84	-1.55

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	0.79	0.97	0.90	0.84
FP2 F8	0.48	0.60	0.78	0.89
FP2 C4	0.55	0.40	0.46	0.65
FP2 T4	-0.65	-0.51	-0.61	0.00
FP2 P4	0.99	-0.23	-1.33	-0.67
FP2 T6	0.72	-1.05	0.63	-1.27
FP2 O2	-0.13	-1.27	1.58	0.27
F4 F8	0.46	0.97	1.16	1.03
F4 C4	0.57	-0.11	0.18	-0.35
F4 T4	-0.58	-0.92	-0.64	-0.19
F4 P4	0.50	-1.04	-1.33	-1.39
F4 T6	0.51	-1.08	-0.47	-1.29
F4 O2	-0.55	-2.14	0.47	-1.26
F8 C4	0.34	0.92	1.43	1.26
F8 T4	-0.24	0.20	-0.16	0.28
F8 P4	0.48	0.23	-0.56	0.06
F8 T6	0.22	-0.08	-0.69	-0.19
F8 O2	-0.72	-1.45	0.56	-1.06
C4 T4	-0.65	-0.66	0.18	0.16
C4 P4	0.07	-0.64	-1.68	-0.98
C4 T6	-0.17	-0.94	-1.43	-0.79
C4 O2	-0.94	-1.97	-1.89	-1.78
T4 P4	-0.74	-0.72	0.40	0.31
T4 T6	-0.60	-0.15	-0.21	0.50
T4 O2	-1.17	-1.72	-1.06	-0.51
P4 T6	0.49	-0.28	0.02	-0.01
P4 O2	-0.36	-1.24	-1.55	-1.42
T6 O2	-0.52	-1.24	-0.19	-0.35

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	0.53	0.29	0.94	1.06
F3 F4	0.07	-0.38	0.24	0.17
C3 C4	-2.03	-1.71	-1.98	-0.97
P3 P4	-0.12	-0.70	-3.07	-1.33

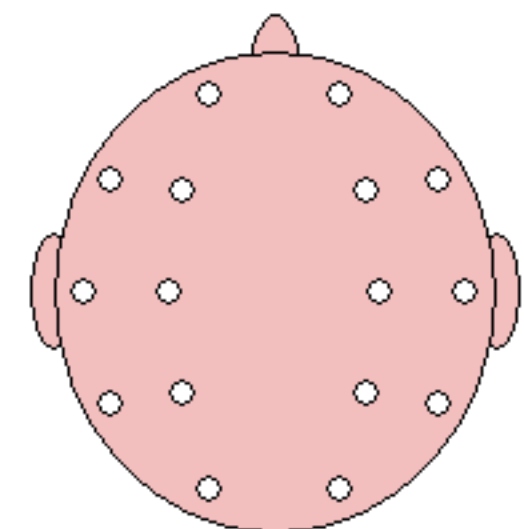
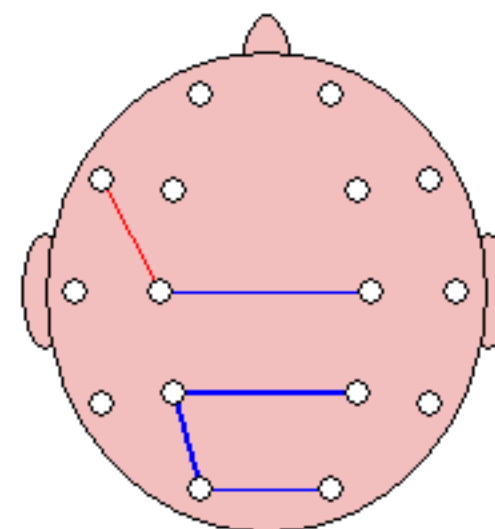
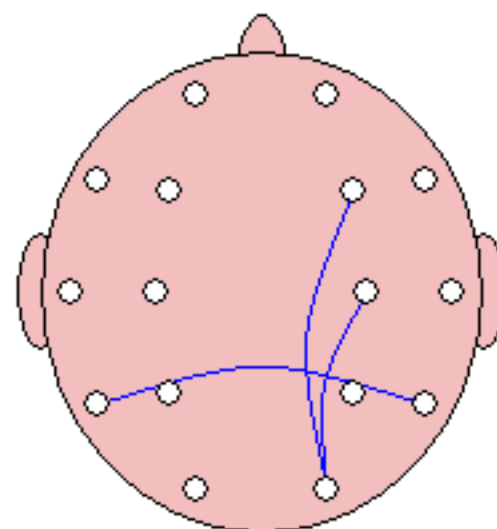
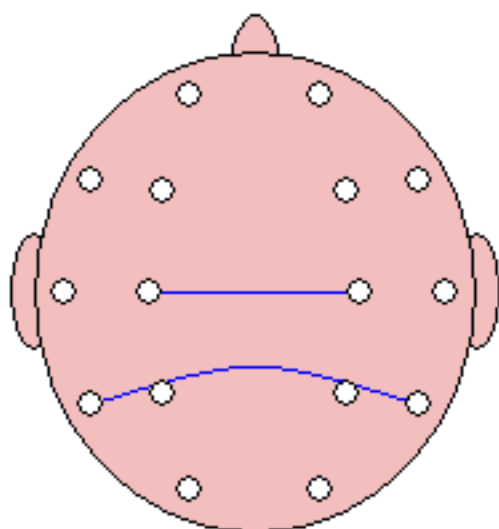
	DELTA	THETA	ALPHA	BETA
F7 F8	-1.14	0.04	0.72	0.62
T3 T4	-1.62	0.17	1.10	1.09
T5 T6	-2.06	-2.08	-1.33	-1.31
O1 O2	-0.95	-1.32	-2.37	-1.63

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 Phase Lag (Deg)

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	-2.05	1.81	-3.79	-2.79
FP1 F3	1.37	2.19	-1.50	-1.53
FP1 T3	-1.09	-2.93	-20.14	-13.34
FP1 C3	-0.44	0.21	-6.14	-5.49
FP1 T5	0.02	-14.86	-107.10	-59.10
FP1 P3	16.91	-6.54	-7.11	-13.97
FP1 O1	3.73	-16.55	177.31	-147.95
F7 F3	0.76	-0.58	2.03	1.49
F7 T3	0.78	-0.72	-12.20	-4.82
F7 C3	1.06	-0.35	-2.26	0.19
F7 T5	3.95	-3.99	-63.93	-29.78
F7 P3	6.60	-2.26	-4.65	-6.17
F7 O1	2.89	-2.80	-168.50	-111.47
F3 T3	-2.16	-2.10	-16.23	-9.89
F3 C3	-1.94	0.10	-4.12	-2.65
F3 T5	-1.44	-7.82	-82.34	-39.08
F3 P3	9.67	-3.45	-5.66	-8.31
F3 O1	0.49	-4.63	-176.03	-116.02
T3 C3	0.36	0.68	8.90	8.00
T3 T5	1.73	-0.71	-20.39	-8.79
T3 P3	6.22	-0.65	0.54	2.68
T3 O1	1.23	-2.02	-74.62	-38.57
C3 T5	-2.91	-2.95	-42.33	-20.37
C3 P3	7.63	-1.10	-3.20	-3.51
C3 O1	-0.99	-1.73	-132.68	-39.56
T5 P3	0.78	0.50	6.79	4.46
T5 O1	0.51	-1.51	-28.06	-22.93
P3 O1	0.16	-0.34	-10.50	-11.38

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	6.53	2.35	-2.43	-0.06
FP2 F8	-0.96	1.43	-2.16	1.97
FP2 C4	8.86	2.56	-10.64	-1.43
FP2 T4	10.07	-1.49	-15.28	0.56
FP2 P4	14.11	-7.38	-74.09	-6.44
FP2 T6	25.24	-21.59	-161.01	149.02
FP2 O2	18.98	-157.12	-178.83	169.26
F4 F8	-4.76	-1.09	-0.24	1.16
F4 C4	2.99	-0.40	-7.45	0.04
F4 T4	3.60	-4.70	-12.41	-1.50
F4 P4	4.34	-8.02	-42.97	-2.16
F4 T6	3.62	-17.93	-138.81	1.31
F4 O2	12.54	-29.79	-170.92	164.55
F8 C4	8.73	1.01	-6.51	0.15
F8 T4	3.68	-0.19	-9.98	0.64
F8 P4	18.63	-5.01	-37.04	-0.42
F8 T6	26.30	-2.46	-114.28	6.74
F8 O2	29.95	-178.29	-165.96	132.69
C4 T4	-2.32	-2.65	-5.09	-5.89
C4 P4	0.60	-3.17	-18.20	-0.03
C4 T6	-0.41	-6.44	-50.29	-4.18
C4 O2	6.90	-3.82	-102.37	-1.93
T4 P4	3.34	-1.69	-9.51	6.55
T4 T6	-0.00	-0.43	-17.46	2.63
T4 O2	11.95	0.45	-42.51	5.93
P4 T6	1.53	-3.33	-11.64	-3.47
P4 O2	4.56	-4.04	-21.04	-4.89
T6 O2	5.20	-1.03	-8.56	-2.30

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	2.77	-0.83	0.80	1.28
F3 F4	4.79	-2.53	-0.36	2.52
C3 C4	5.31	-2.18	-2.42	2.21
P3 P4	-2.40	0.42	6.85	-2.11

	DELTA	THETA	ALPHA	BETA
F7 F8	-16.01	-1.17	2.22	10.42
T3 T4	90.27	-179.72	-179.63	170.14
T5 T6	-2.12	-10.27	-127.74	-115.30
O1 O2	-0.46	-1.37	-0.25	-6.22

Z Scored FFT Phase Lag

Intrahemispheric: LEFT

	DELTA	THETA	ALPHA	BETA
FP1 F7	-0.23	0.07	0.96	0.80
FP1 F3	-0.54	-0.26	0.00	-0.07
FP1 T3	-1.51	-0.21	0.92	0.88
FP1 C3	-1.70	-2.27	0.24	0.40
FP1 T5	-2.52	0.28	0.70	0.77
FP1 P3	1.17	0.04	-0.89	0.49
FP1 O1	-0.70	0.10	1.01	1.16
F7 F3	-1.04	-1.16	0.36	0.00
F7 T3	-1.19	-1.03	1.12	0.63
F7 C3	-1.19	-1.52	-0.48	-1.89
F7 T5	-0.44	-0.49	0.65	1.02
F7 P3	0.10	-0.67	-1.04	-0.01
F7 O1	-1.28	-1.06	0.97	1.31
F3 T3	-0.96	-0.76	1.19	1.08
F3 C3	-0.10	-1.63	0.39	0.12
F3 T5	-1.16	0.23	0.89	1.20
F3 P3	1.04	0.17	-0.58	0.42
F3 O1	-1.97	-0.30	1.17	1.74
T3 C3	-1.96	-1.50	1.01	0.83
T3 T5	-0.52	-1.08	1.35	1.18
T3 P3	0.12	-1.45	-2.07	-0.34
T3 O1	-1.81	-0.67	1.69	1.71
C3 T5	0.05	-0.12	1.28	1.53
C3 P3	2.25	-0.26	-0.34	0.43
C3 O1	-1.16	-0.60	1.97	2.13
T5 P3	-0.71	-1.01	0.53	0.82
T5 O1	-1.50	-0.03	2.36	2.78
P3 O1	-1.32	-1.26	0.84	1.58

Intrahemispheric: RIGHT

	DELTA	THETA	ALPHA	BETA
FP2 F4	1.38	-0.55	0.40	-1.23
FP2 F8	-0.89	-0.05	0.23	0.27
FP2 C4	1.06	-0.37	0.88	-0.71
FP2 T4	0.89	-0.75	0.52	-1.64
FP2 P4	1.01	0.24	1.29	-0.13
FP2 T6	1.08	0.28	1.04	1.11
FP2 O2	0.22	1.61	1.03	1.15
F4 F8	0.56	-1.02	-1.39	-0.34
F4 C4	0.89	-1.14	1.02	-1.71
F4 T4	-0.04	0.31	0.67	-0.97
F4 P4	0.43	1.05	1.14	-0.72
F4 T6	-0.10	1.03	1.18	-1.67
F4 O2	0.84	1.21	1.34	2.00
F8 C4	0.82	-1.26	0.57	-1.59
F8 T4	0.32	-1.74	0.72	-1.06
F8 P4	0.84	-0.13	0.80	-1.92
F8 T6	1.01	-1.19	1.01	-0.37
F8 O2	0.39	1.59	1.19	1.22
C4 T4	-0.71	-0.27	0.31	0.28
C4 P4	-0.89	0.71	1.40	-1.63
C4 T6	-1.70	0.67	1.24	-0.30
C4 O2	1.10	0.09	1.63	-0.74
T4 P4	-0.42	-0.41	0.65	0.68
T4 T6	-2.54	-1.47	0.78	-0.16
T4 O2	0.48	-1.92	1.04	-0.00
P4 T6	-0.33	0.41	0.81	0.05
P4 O2	1.35	0.97	1.30	0.92
T6 O2	1.22	-0.52	1.11	-0.20

Interhemispheric: HOMOLOGOUS PAIRS

	DELTA	THETA	ALPHA	BETA
FP1 FP2	0.37	-0.35	-0.50	0.02
F3 F4	1.10	0.37	-1.27	0.59
C3 C4	1.39	0.28	-0.02	0.08
P3 P4	0.44	-1.09	1.03	0.13

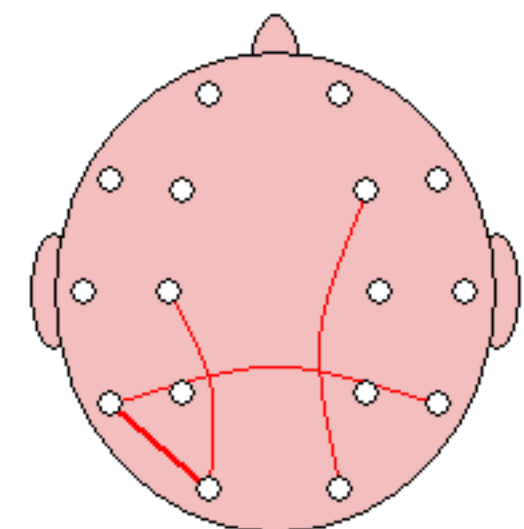
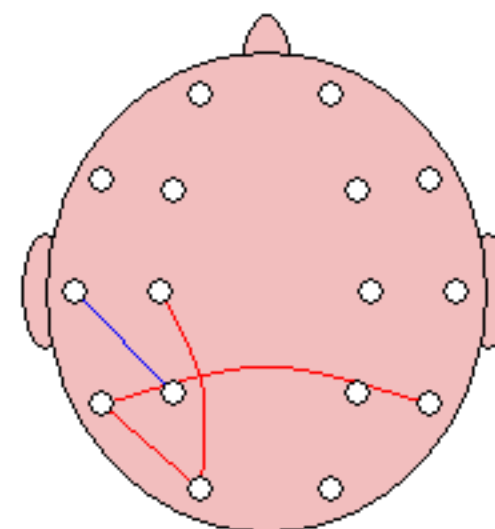
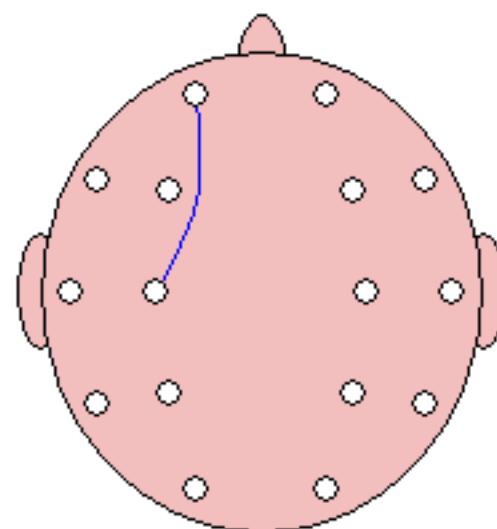
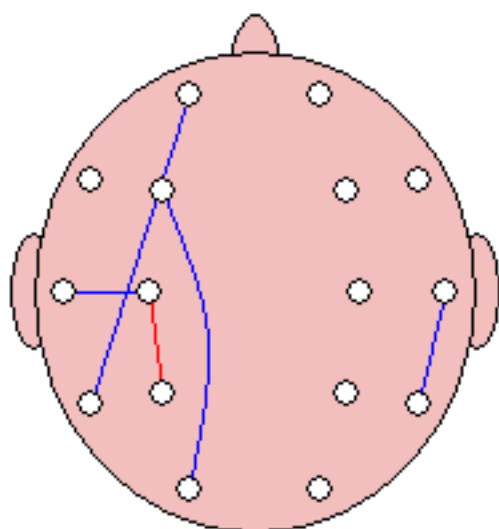
	DELTA	THETA	ALPHA	BETA
F7 F8	0.02	-1.20	-0.83	0.67
T3 T4	1.48	1.41	0.92	0.75
T5 T6	-0.56	0.76	2.51	2.28
O1 O2	-0.94	0.02	-1.53	1.46

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

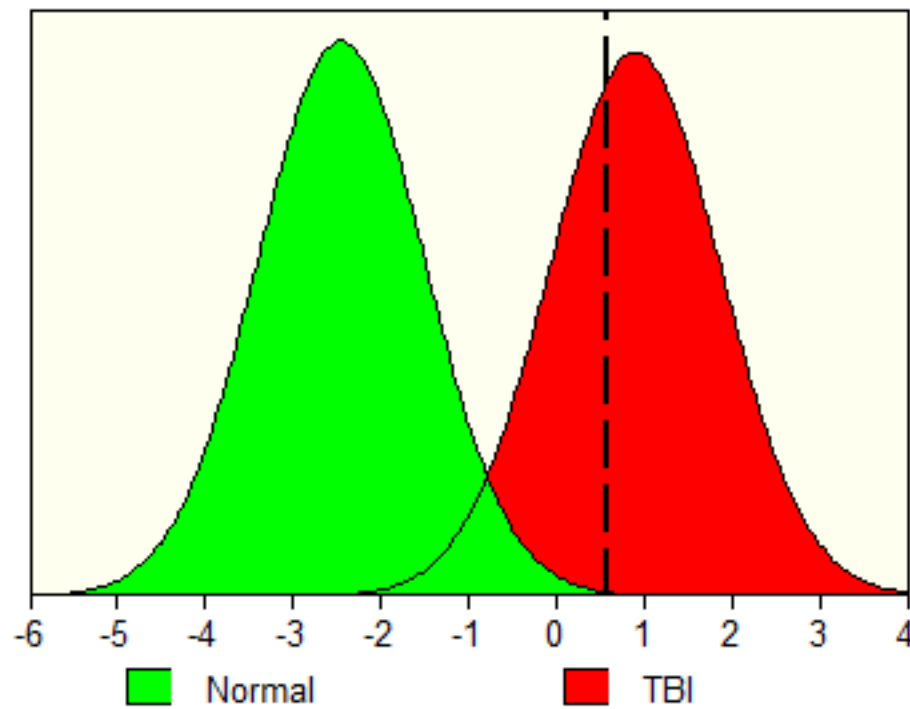
- ———— +
Z-Score >= 3.09

Traumatic Brain Injury Discriminant Analysis*

TBI DISCRIMINANT SCORE = 0.56

TBI PROBABILITY INDEX = 99.0%

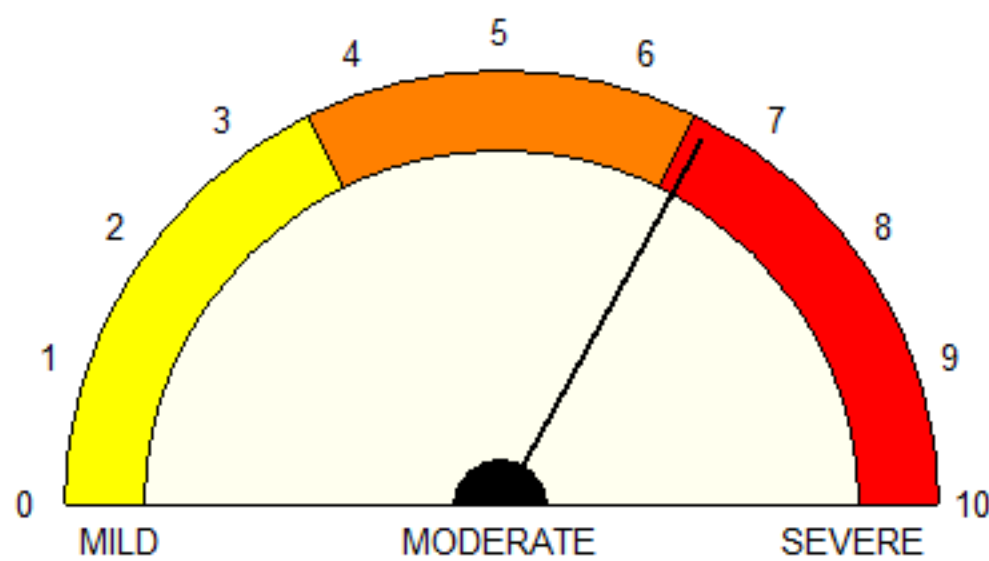
The TBI Probability Index is the subject's probability of membership in the mild traumatic brain injury population. (see Thatcher et al, EEG and Clin. Neurophysiol., 73: 93-106, 1989.)



			RAW	Z
FP1-F3	COH	Theta	96.59	2.21
T3-T5	COH	Beta	84.14	3.26
C3-P3	COH	Beta	82.81	1.06
FP2-F4	PHA	Beta	-0.03	-1.27
F3-F4	PHA	Beta	-0.08	-0.81
F4-T6	AMP	Alpha	-10.12	0.14
F8-T6	AMP	Alpha	-30.23	0.69
F4-T6	AMP	Beta	19.55	0.35
F8-T6	AMP	Beta	2.87	0.91
F3-O1	AMP	Alpha	-92.35	-0.51
F4-O2	AMP	Alpha	-104.31	-0.76
F7-O1	AMP	Alpha	-112.02	-0.16
F4-O2	AMP	Beta	-39.85	-0.57
P3	RP	Alpha	21.26	-1.77
P4	RP	Alpha	21.26	-1.94
O1	RP	Alpha	39.95	-0.85
O2	RP	Alpha	41.45	-0.80
T4	RP	Alpha	13.99	-2.46
T5	RP	Alpha	27.25	-1.34
T6	RP	Alpha	22.50	-1.76

TBI SEVERITY INDEX = 6.58

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



			RAW	Z
FP1-C3	COH	Delta	95.82	3.66
FP1-FP2	COH	Theta	97.37	2.26
O1-F7	COH	Alpha	7.23	-1.29
O2-T6	COH	Alpha	82.19	0.35
P3-O1	COH	Beta	76.74	-0.03
FP1-T3	PHA	Theta	0.10	-2.22
T3-T4	PHA	Theta	0.14	-2.59
O1-F7	PHA	Alpha	10.65	0.27
F7-F8	PHA	Alpha	-0.54	-0.99
T5-T6	PHA	Beta	0.33	-1.41
C3-F7	AMP	Delta	-1.34	1.74
FP2-F4	AMP	Delta	0.34	0.65
C4-F8	AMP	Delta	14.31	2.32
O1-O2	AMP	Theta	1.66	0.09
P3-F7	AMP	Alpha	-32.50	1.89
FP2-P4	AMP	Alpha	-22.61	1.48

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.