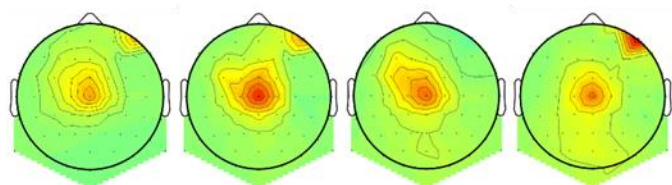
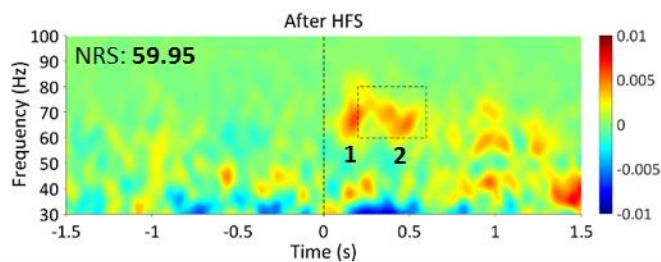
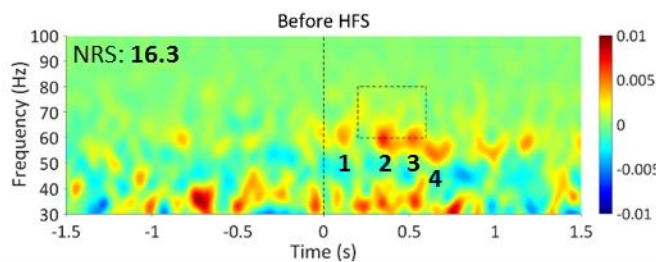
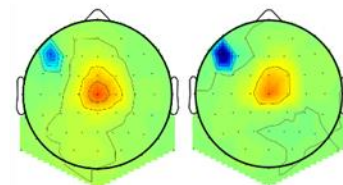


Supplementary Figures

1

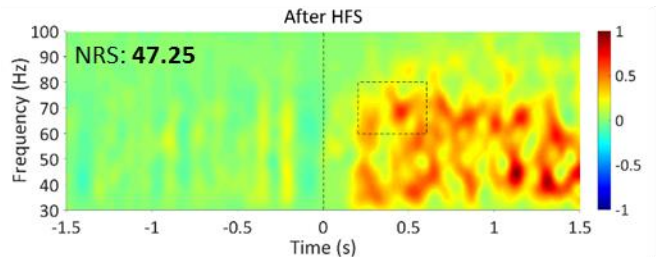
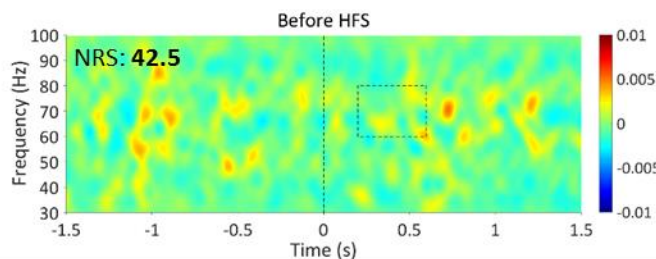


0.08 – 0.15 s 60 – 65 Hz
0.3 – 0.4 s 55 – 60 Hz
0.45 – 0.55 s 55 – 60 Hz
0.6 – 0.7 s 50 – 60 Hz

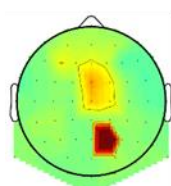
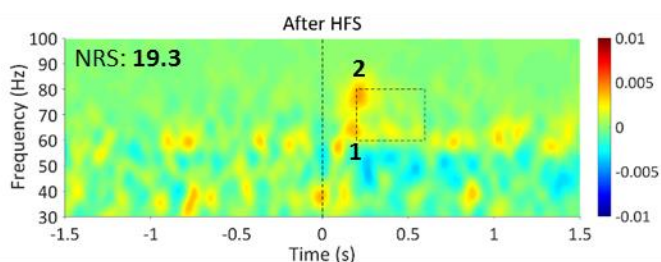
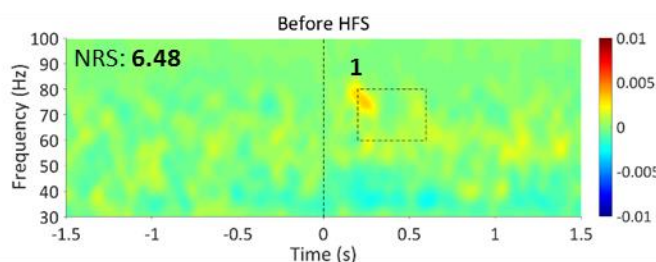


0.14 – 0.21 s 60 – 70 Hz
0.35 – 0.5 s 60 – 70 Hz

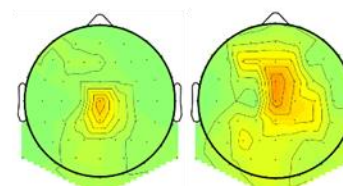
2



3

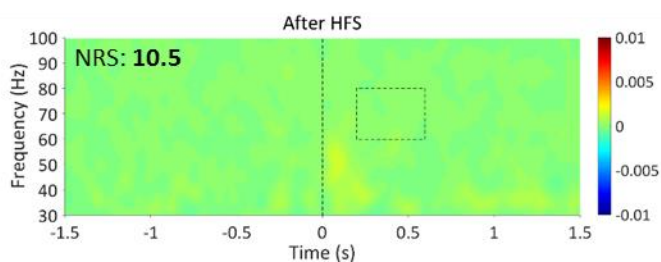
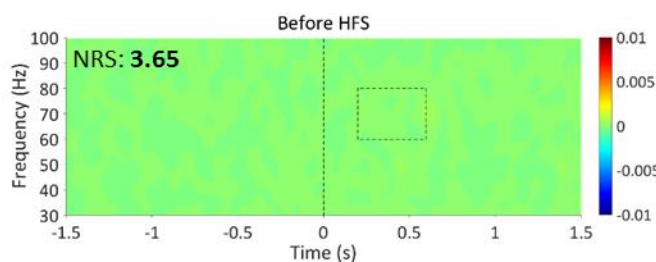


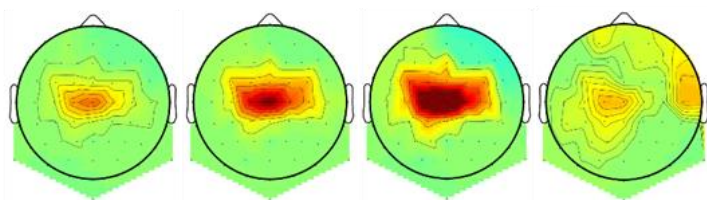
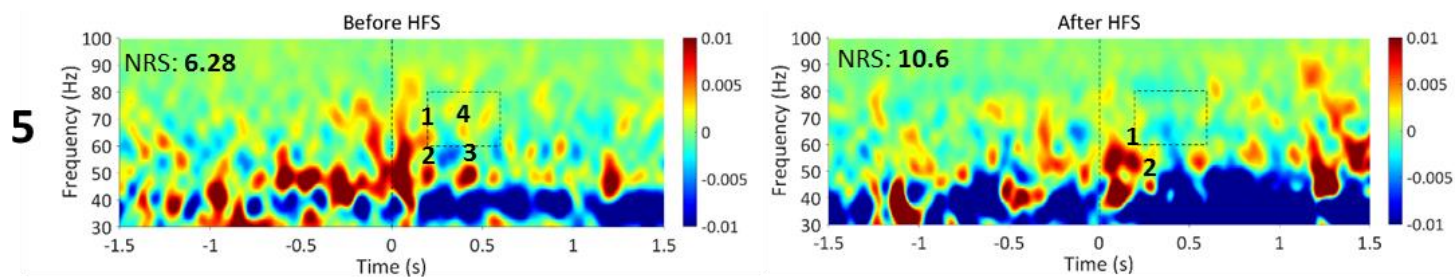
0.17 – 0.3 s
70 – 80 Hz



0.14 – 0.23 s 60 – 65 Hz
0.17 – 0.26 s 70 – 80 Hz

4





1

2

3

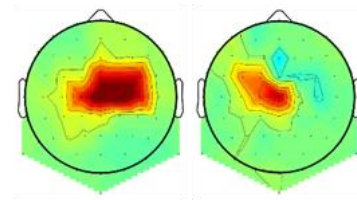
4

0.14 – 0.21 s
60 – 65 Hz

0.15 – 0.23 s
46 – 53 Hz

0.35 – 0.47 s
45 – 52 Hz

0.37 – 0.42 s
64 – 67 Hz

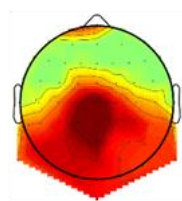
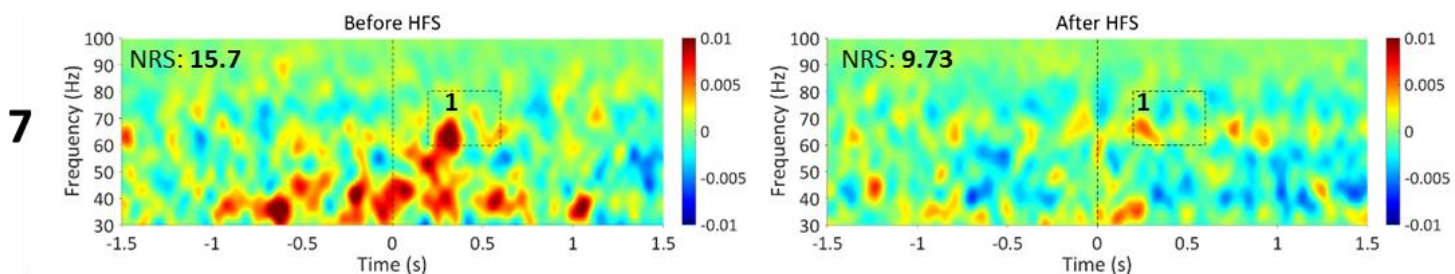
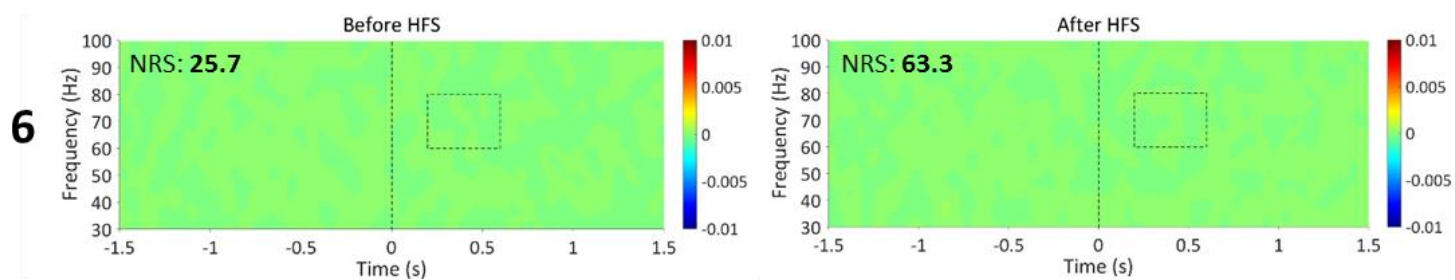


1

2

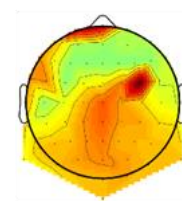
0.14 – 0.22 s
50 – 58 Hz

0.24 – 0.30 s
42 – 46 Hz



1

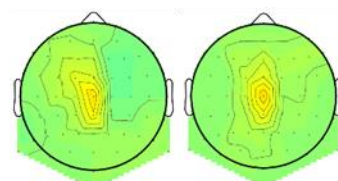
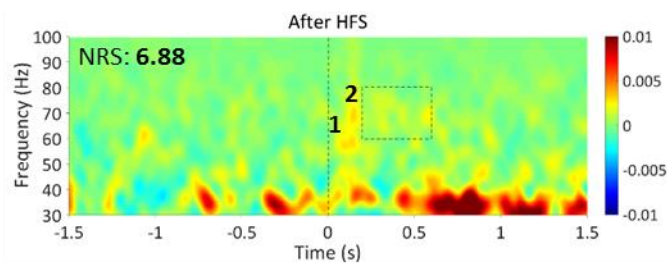
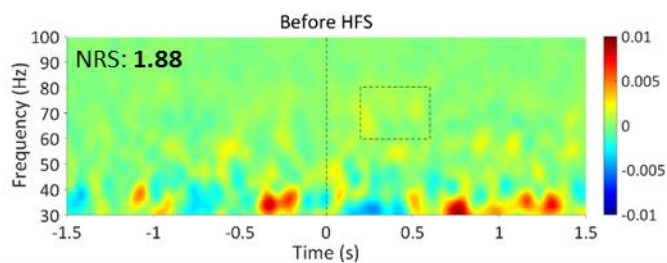
0.23 – 0.38 s
58 – 70 Hz



1

0.19 – 0.30 s
63 – 70 Hz

8

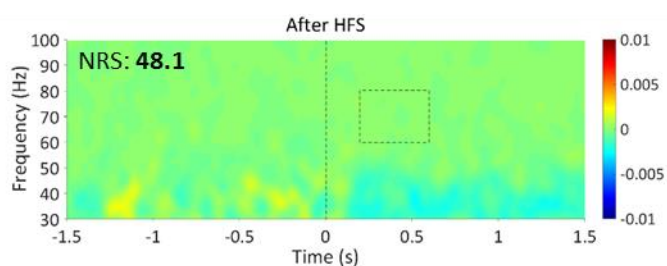
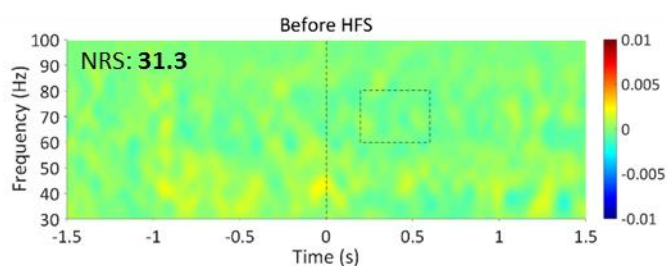


1

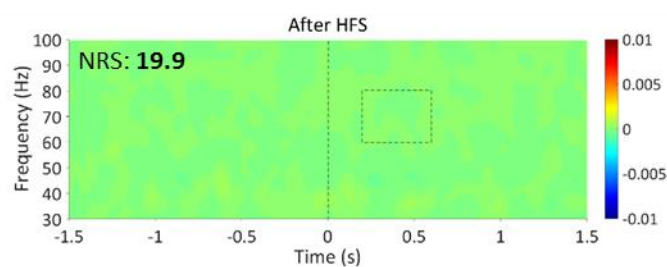
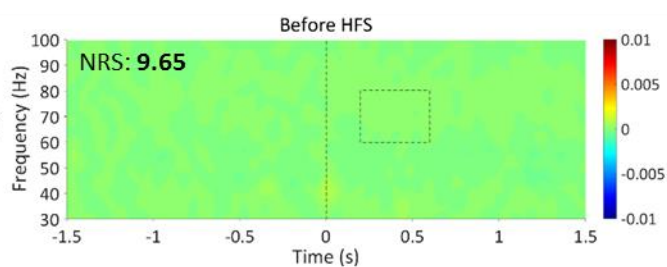
2

0.07 – 0.16 s 0.12 – 0.16 s
55 – 60 Hz 67 – 70 Hz

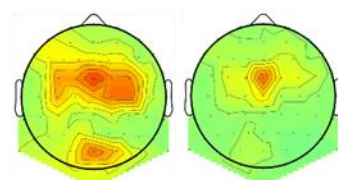
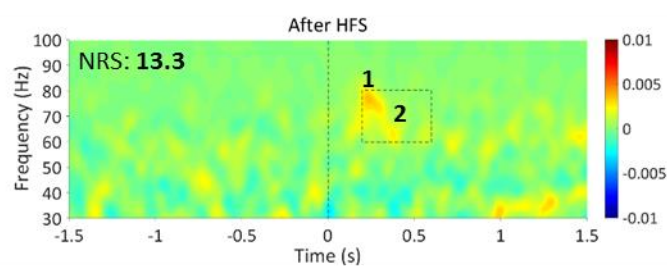
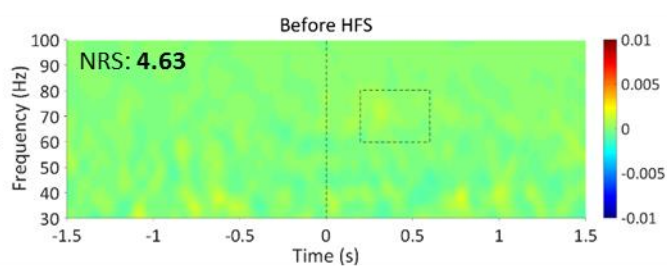
9



10



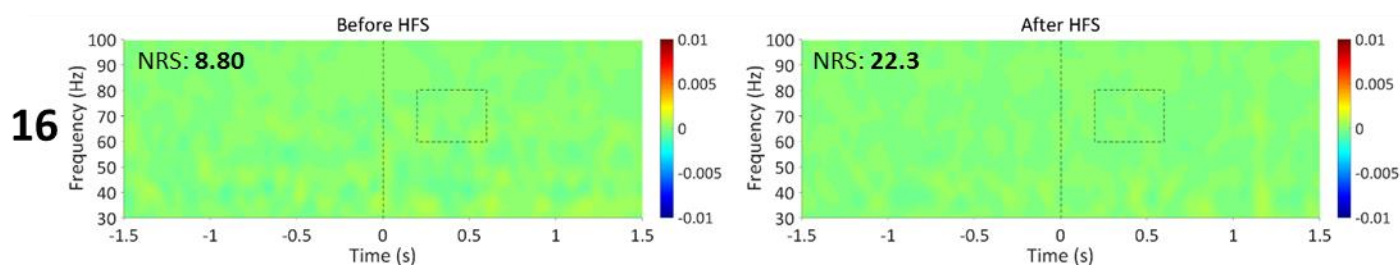
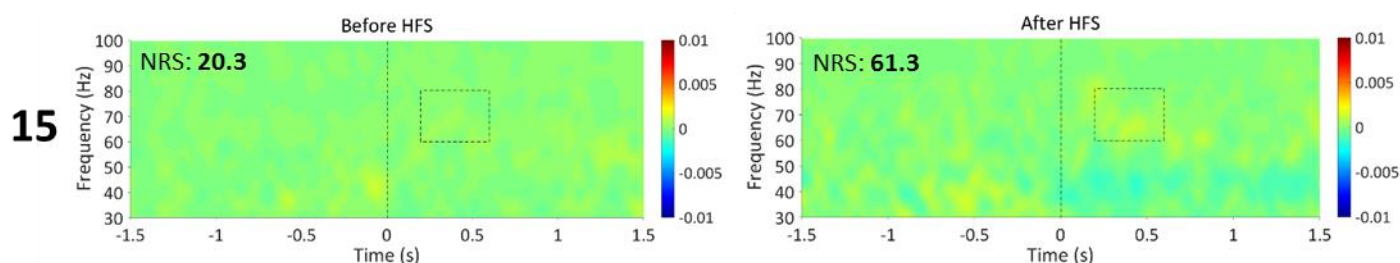
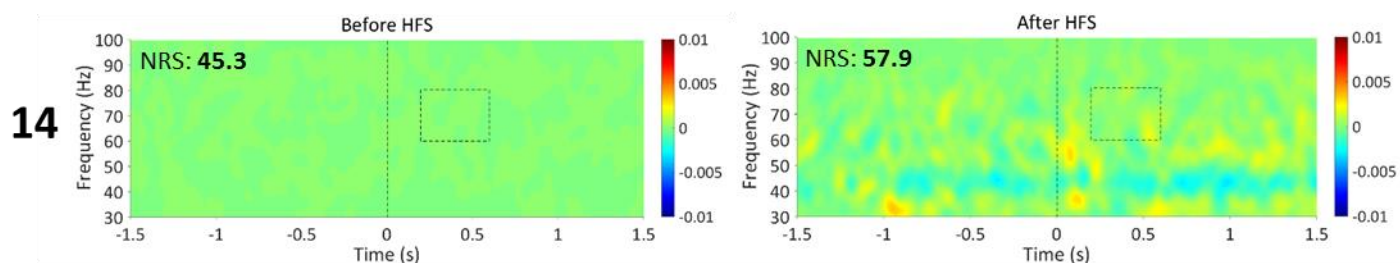
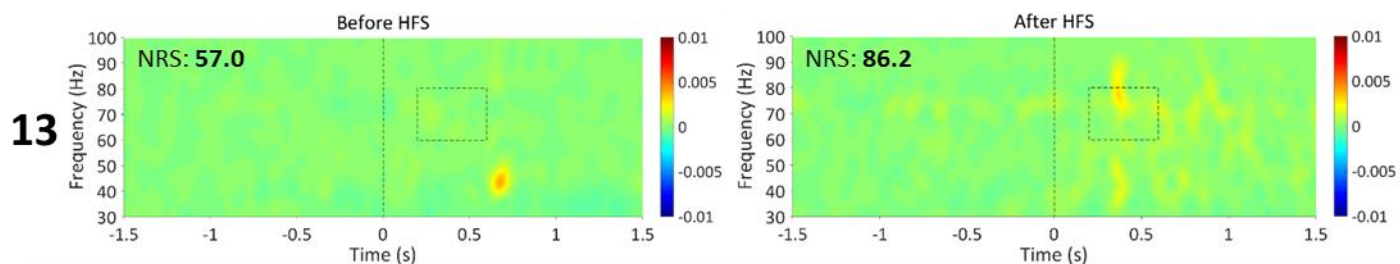
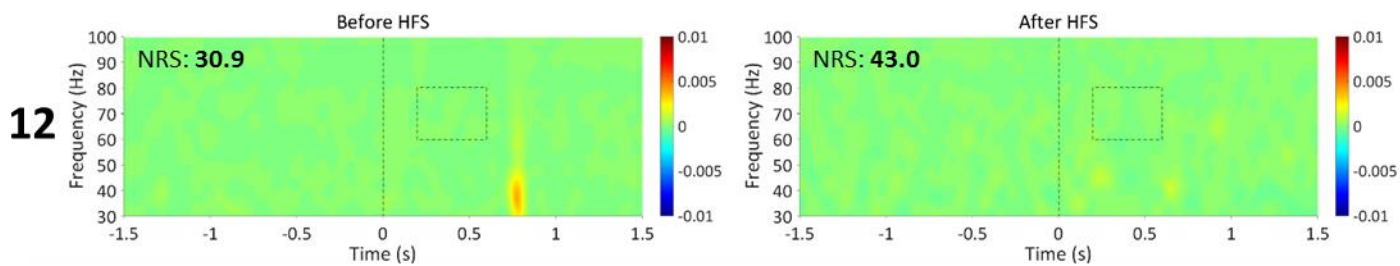
11

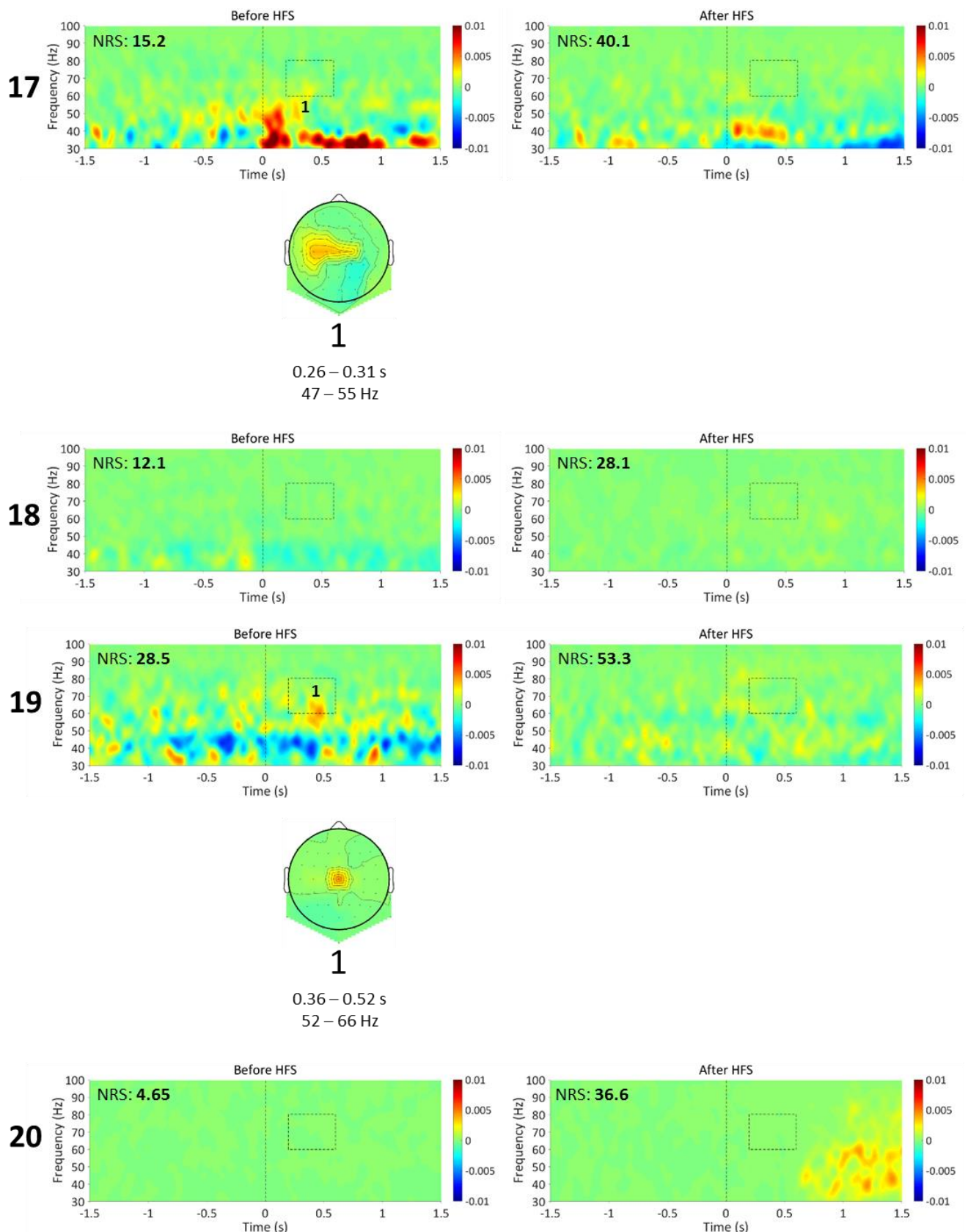


1

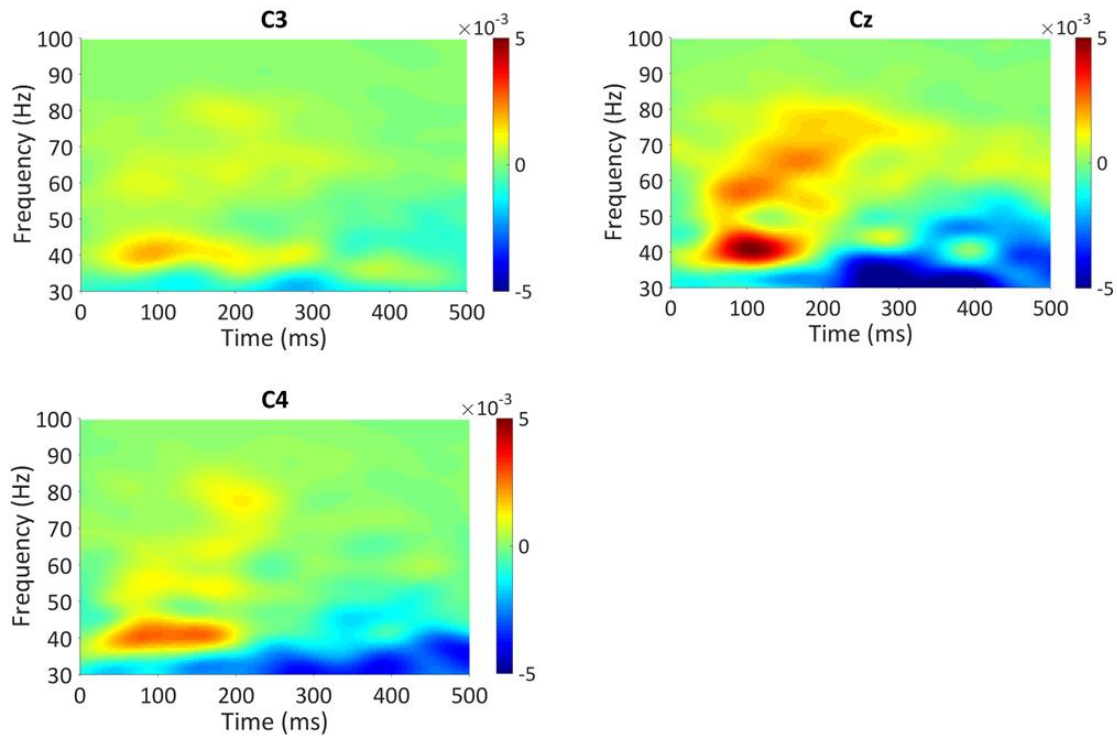
2

0.2 – 0.3 s 0.3 – 0.4 s
72 – 80 Hz 60 – 65 Hz





Supplementary Figure S1. Individual trial-averaged TFRs showing changes in gamma power before HFS and after HFS. Numbers on the left refer to the individual participants. Black rectangles represents the time-frequency window of gamma activity in the study of Michail et al. (2016). Post-stimulus gamma activity having a central or contralateral topography is labelled with numbers in the TFR. These numbers correspond to the scalp topographies shown below each TFR. Red and blue color denotes respectively increases and decreases in power (μV^2) compared with baseline. Note that for participant 2 the color bar in the 'after HFS' condition was adjusted.



Supplementary Figure S2. Group-level TFR of changes in gamma power after HFS for electrode C3, Cz and C4 (N=19). Red and blue color denotes respectively increases and decreases in power (μV^2) compared with baseline.