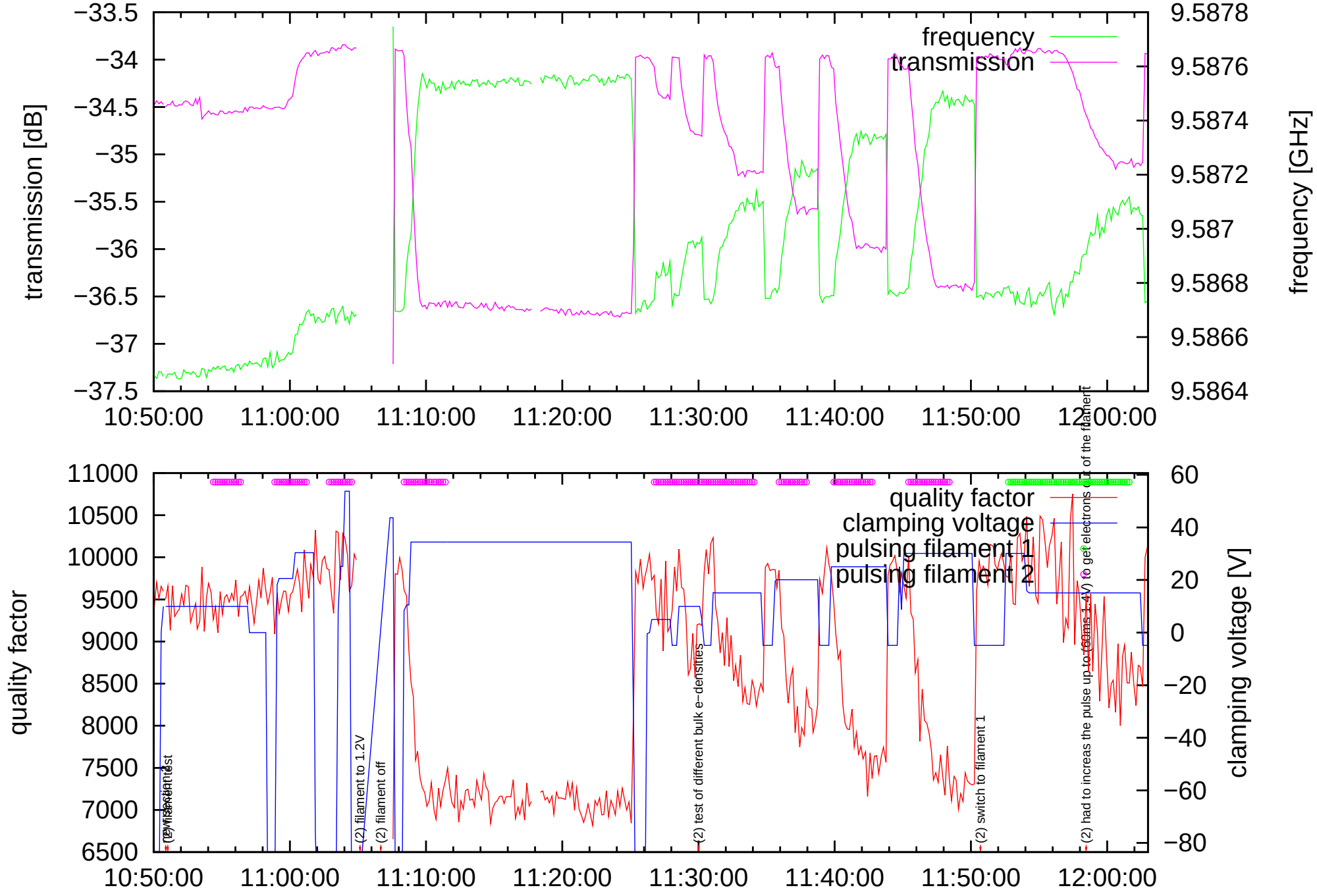
frequency
transmission
transmission [dB]
frequency [GHz]
−33.5
−34
−34.5
−35
−35.5
−36
−36.5
−37
−37.5
9.5878
9.5876
9.5874
9.5872
9.587
9.5868
9.5866
9.5864
10:50:00
11:00:00
11:10:00
11:20:00
11:30:00
11:40:00
11:50:00
12:00:00
quality factor
clamping voltage
pulsing filament 1
pulsing filament 2
quality factor
clamping voltage [V]
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500
60
40
20
0
−20
−40
−60
−80
(2) filament to 1.2V
(2) filament off
(2) test of different bulk e−densities
(2) switch to filament 1
(2) had to increas the pulse up to (60ms 1.4V) to get electrons out of the filament