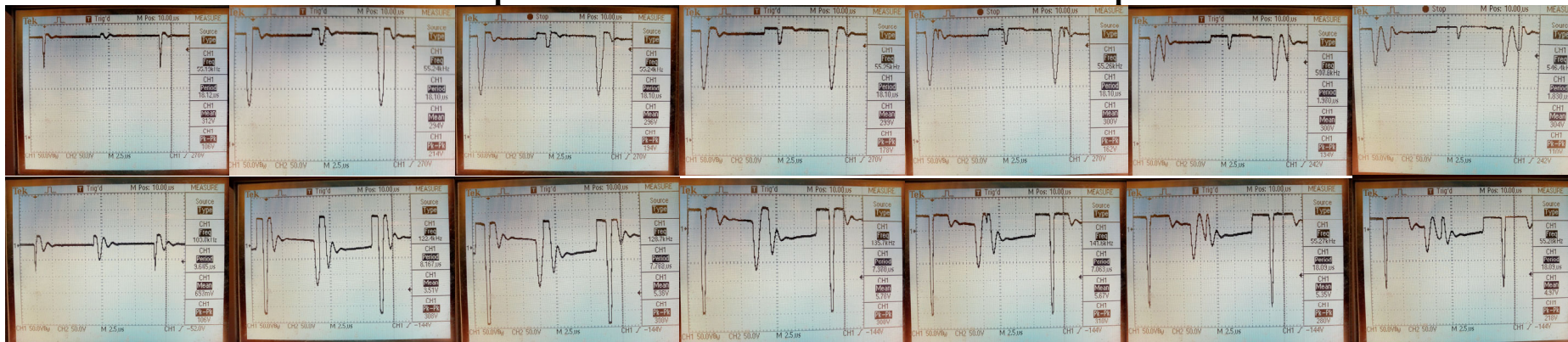


# Неисправность Glassman HV PS ER60P05: ВН не растёт выше 20 кВ



0.79 V = 0.6 kV

0.99 V = 10.4 kV

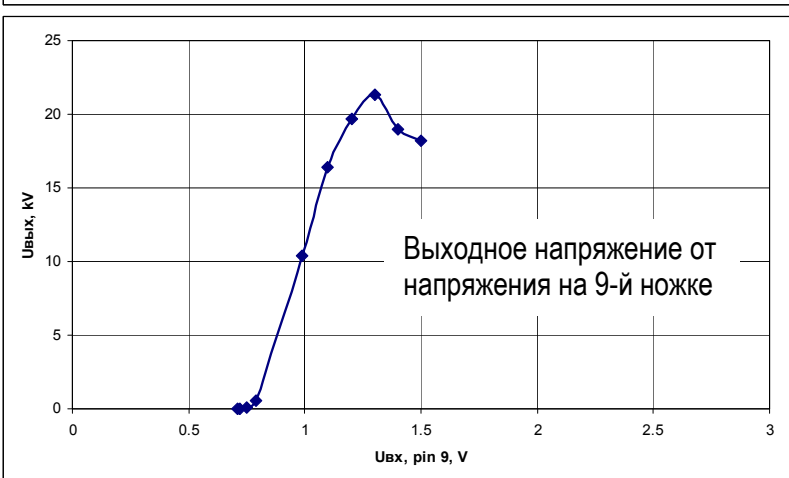
1.10 V = 16.4 kV

1.2 V = 20 kV

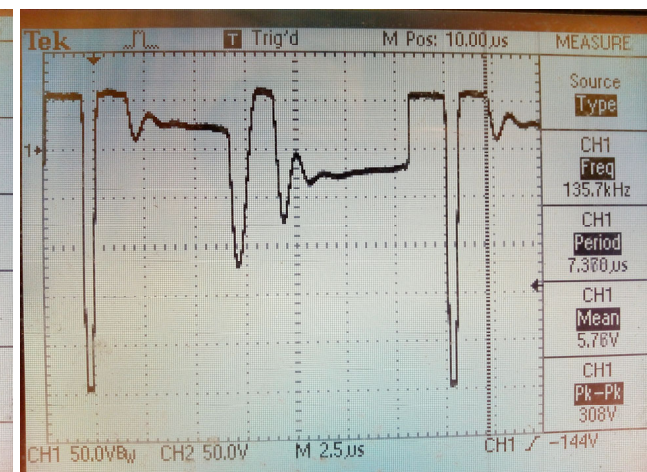
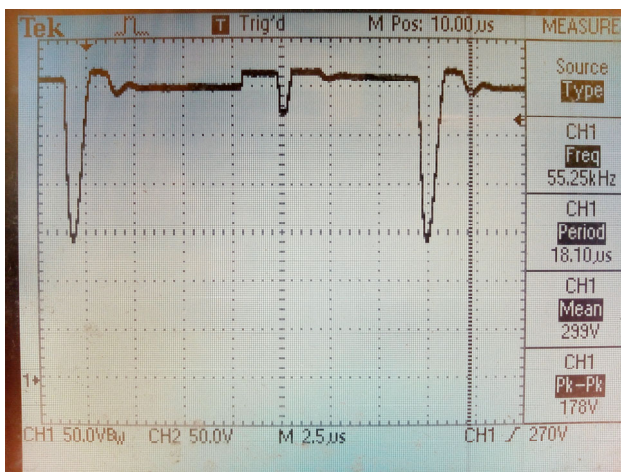
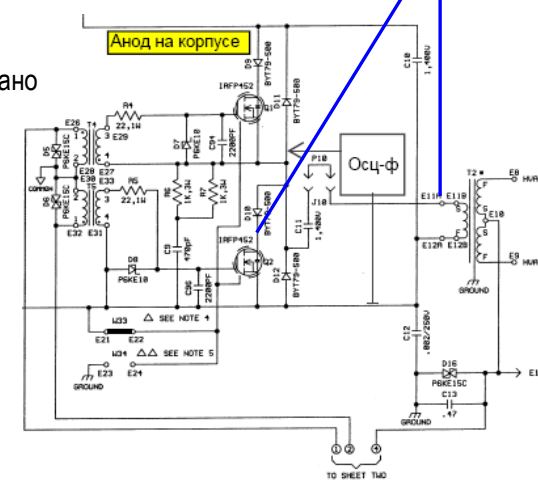
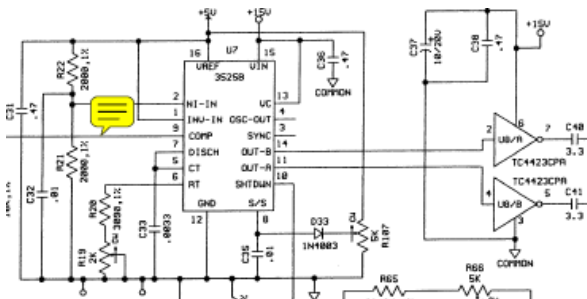
1.3 V = 21 kV

1.4 V = 19 kV

1.5 V = 18 kV



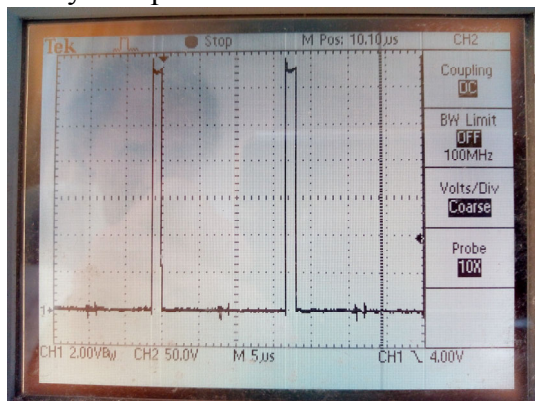
Верхний ряд = нижний полевик. (Винюват: ошибся в цоколёвке диода.) Правильное включение осц-фа показано на правой схеме. На видео он подключён так. Нижний ряд = первичная обмотка в-Вольтного тр-ра.



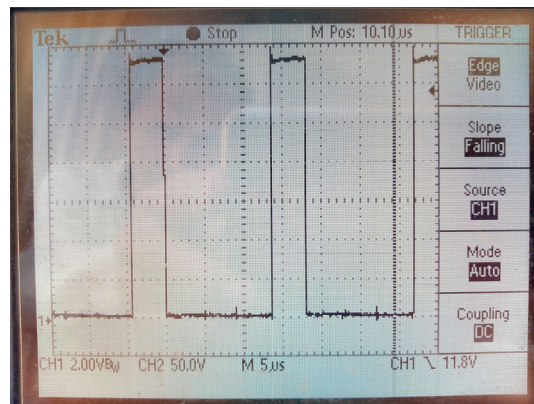
3525 isolated from CtrlSys and from HV transformer: Then connected to HV Transfr  
 Output Pulse Duration, us or Duty Factor vs. Input at pin 9 voltage, V:

| U <sub>in</sub> | tau | %     | kV out  | U AC pwr |               |
|-----------------|-----|-------|---------|----------|---------------|
| 0.71            | 0   | 0     | 0       | 236      |               |
| 0.72            | 0.1 | 0.5%  | 0       |          |               |
| 0.75            | 0.2 | 1%    | 0.085   |          |               |
| 0.79            | 0.3 | 1.7%  | 0.58    | 236-8    | osc photo 240 |
| 0.99            | 1.0 | 5.5%  | 10.4    | 239      | osc photo     |
| 1.10            | 1.3 | 7.2%  | 16.4    | 239      | osc photo     |
| 1.20            | 1.6 |       | 19.7-20 | 237      | osc photo     |
| 1.30            | 2.0 |       | 21.3    | 236      | osc photo     |
| 1.40            | 2.4 |       | 19.0    | 239      | osc photo     |
| 1.50            | 2.8 | 15.5% | 18.2    | 239      | osc photo     |
| 2.00            | 4.6 | 25.5% |         |          |               |
| 2.70            | 7.2 | 40%   |         |          |               |
| 2.80            | 7.3 | 40.3% |         |          |               |

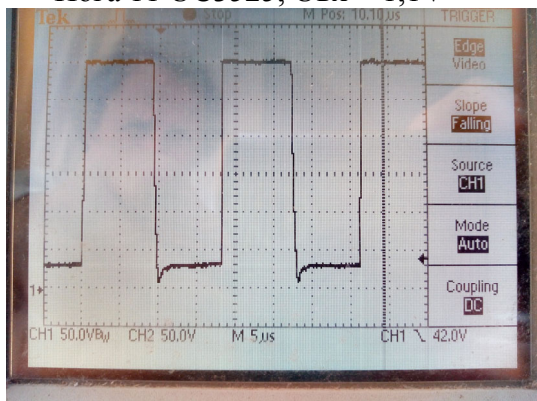
Вынута перемычка P10:



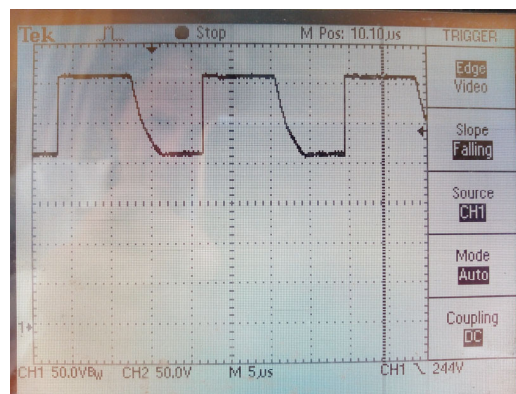
Нога 11 UC3525, U<sub>вх</sub> = 1,1V



Нога 11 UC3525, U<sub>вх</sub> = 2V



Средняя т. FETов, U<sub>вх</sub> = 1,1V



Средняя т. FETов, U<sub>вх</sub> = 2V