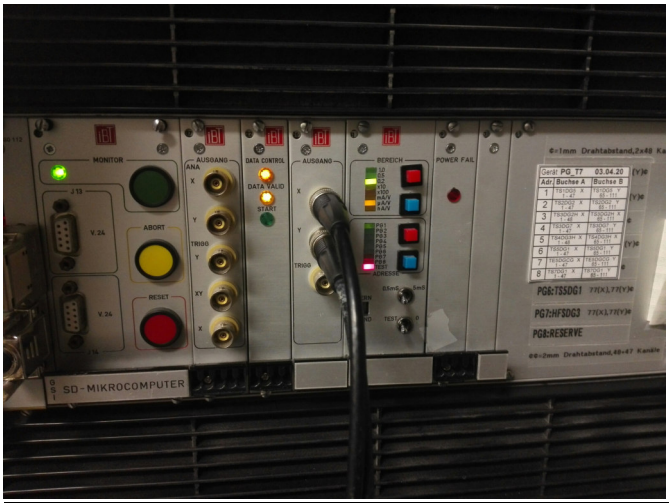
Test of FRS Current Grids with Pulser

Helmut Weick 14.12.2019

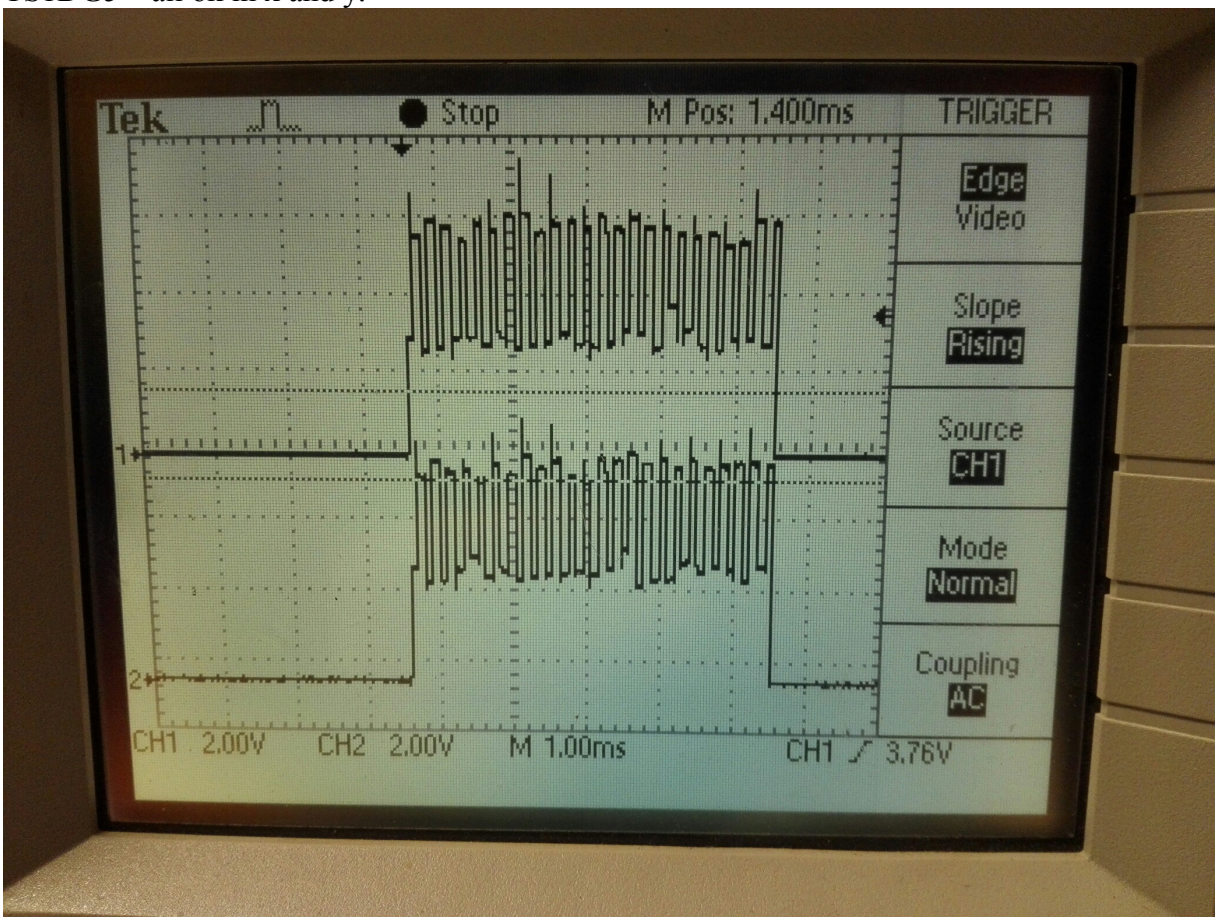
Pulser in controller at back of FRS Messhütte electronics room, goes to amplifier at S2 and back. The pulser has alternating strengths to distinguish signals on scope.

Upper crate, channels 1-8 (mode TEST, 0.5 ms, 0.2 uA/V)

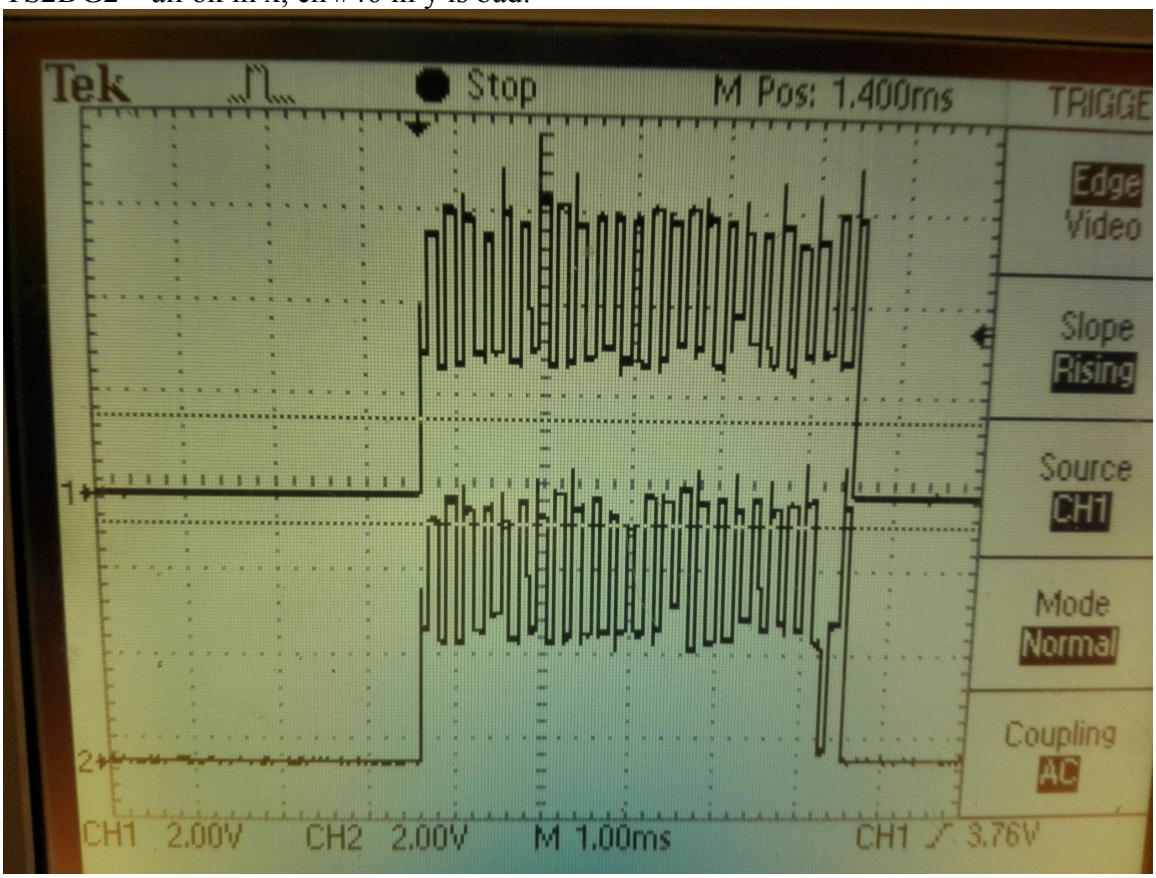


Gerät PG_T7	03.04.20	
Adr.	Buchse A	Buchse B
1	TS1DG5 X 1 - 47	TS1DG5 Y 65 - 111
2	TS2DG2 X 1 - 47	TS2DG2 Y 65 - 111
3	TS3DG2H X 1 - 48	TS3DG2H X 65 - 111
4	TS3DG7 X 1 - 47	TS3DG7 Y 65 - 111
5	TS4DG3H X 1 - 48	TS4DG3H X 65 - 111
6	TS5DG1 X 1 - 47	TS5DG1 Y 65 - 111
7	TE5DGCG X 1 - 47	TE5DGCG Y 65 - 111
8	TS7DG1 X 1 - 47	TS7DG1 Y 65 - 111

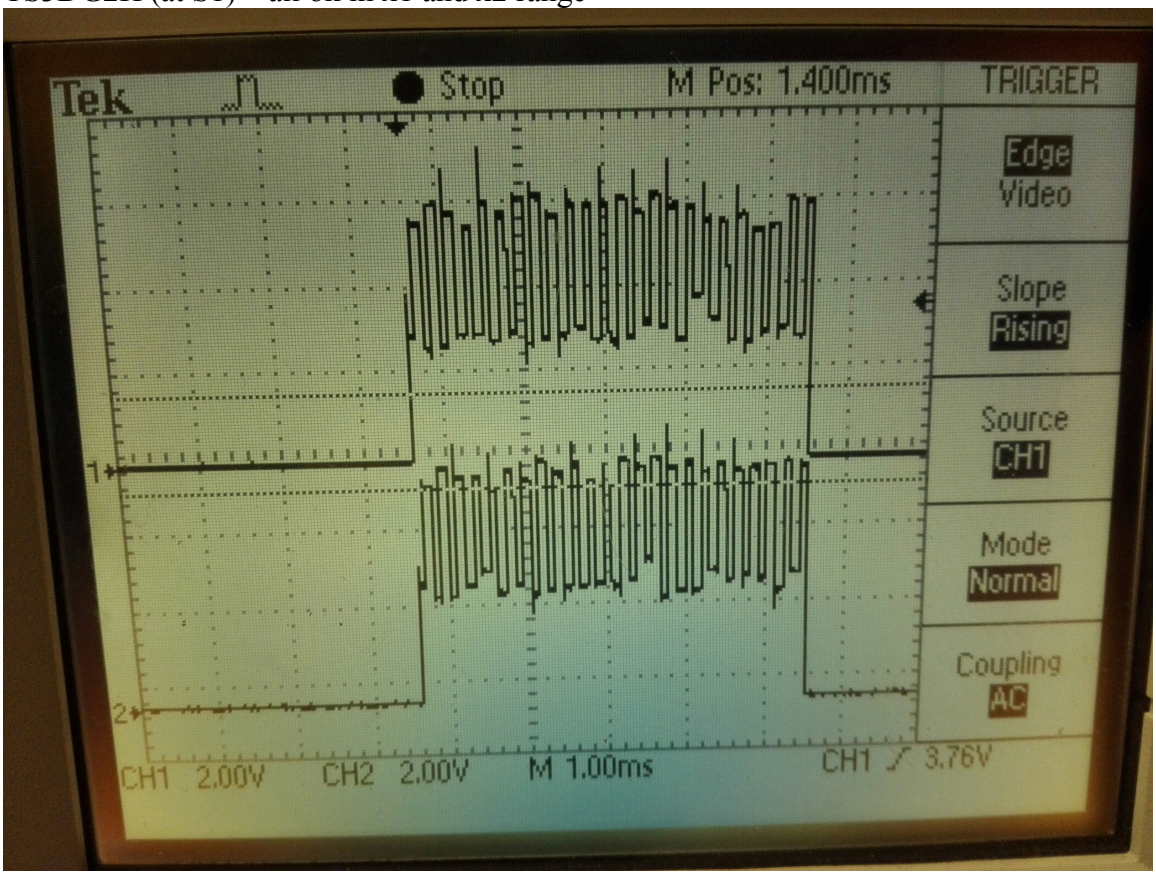
TS1DG5 – all ok in x and y.



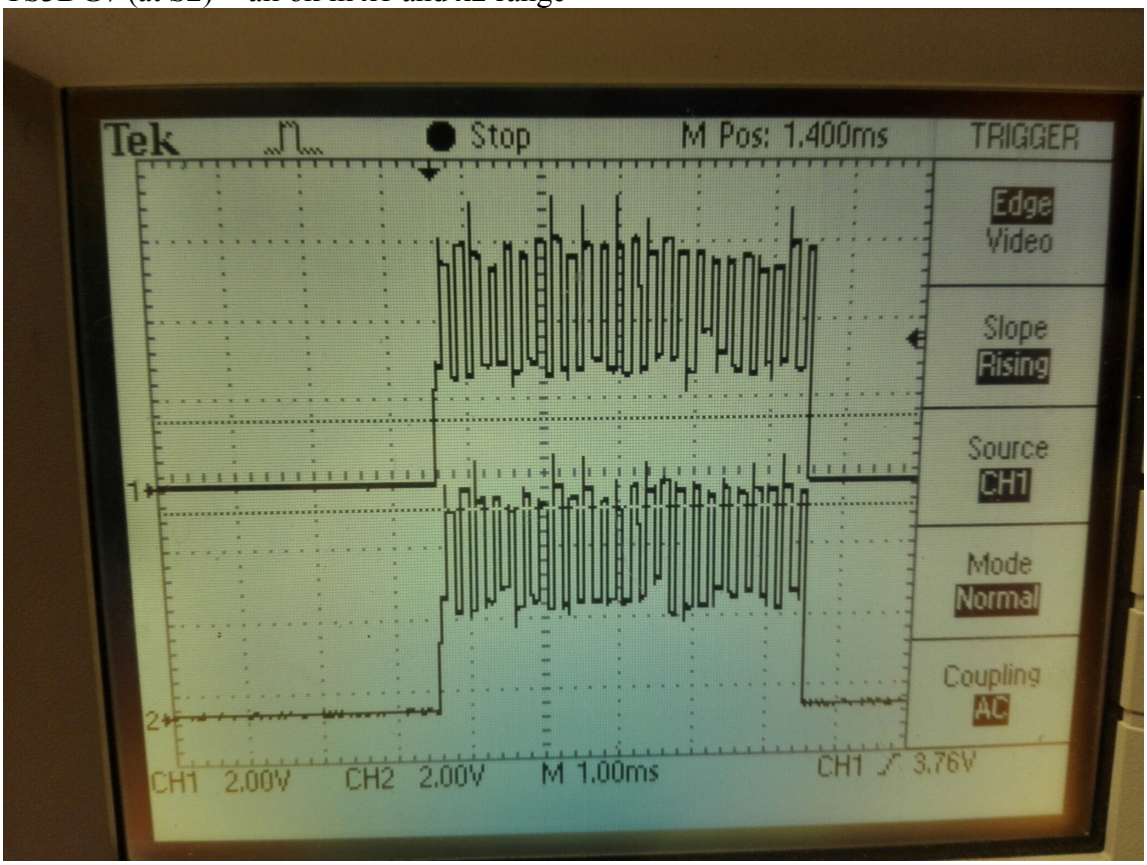
TS2DG2 – all ok in x, ch #46 in y is bad.



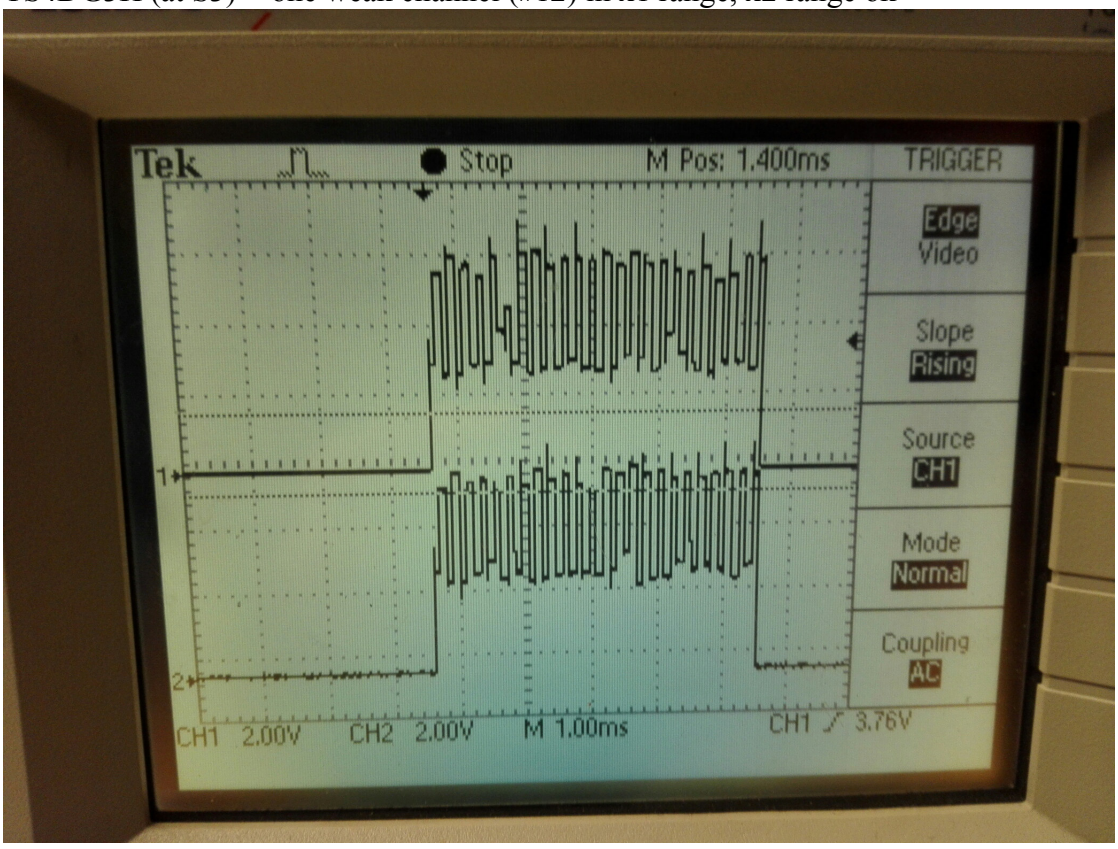
TS3DG2H (at S1) – all ok in x1 and x2 range



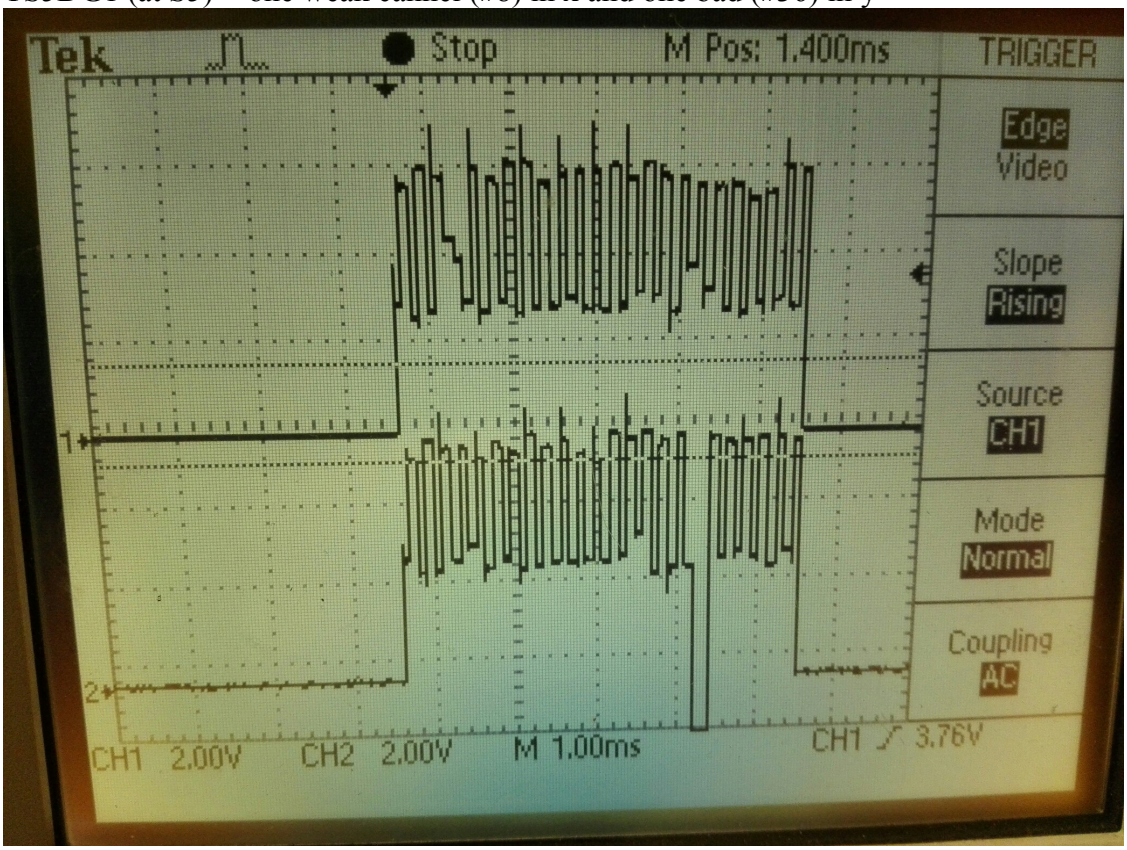
TS3DG7 (at S2) - all ok in x1 and x2 range



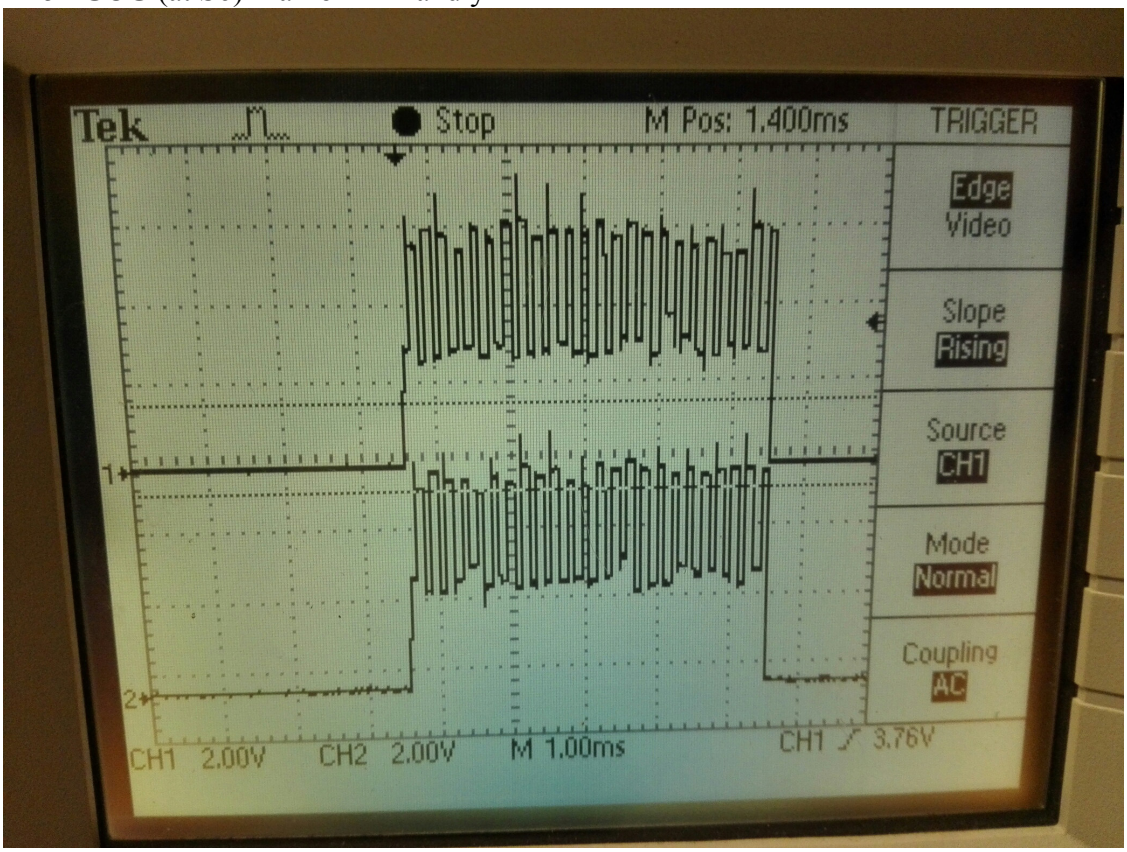
TS4DG3H (at S3) - one weak channel (#12) in x1 range, x2 range ok



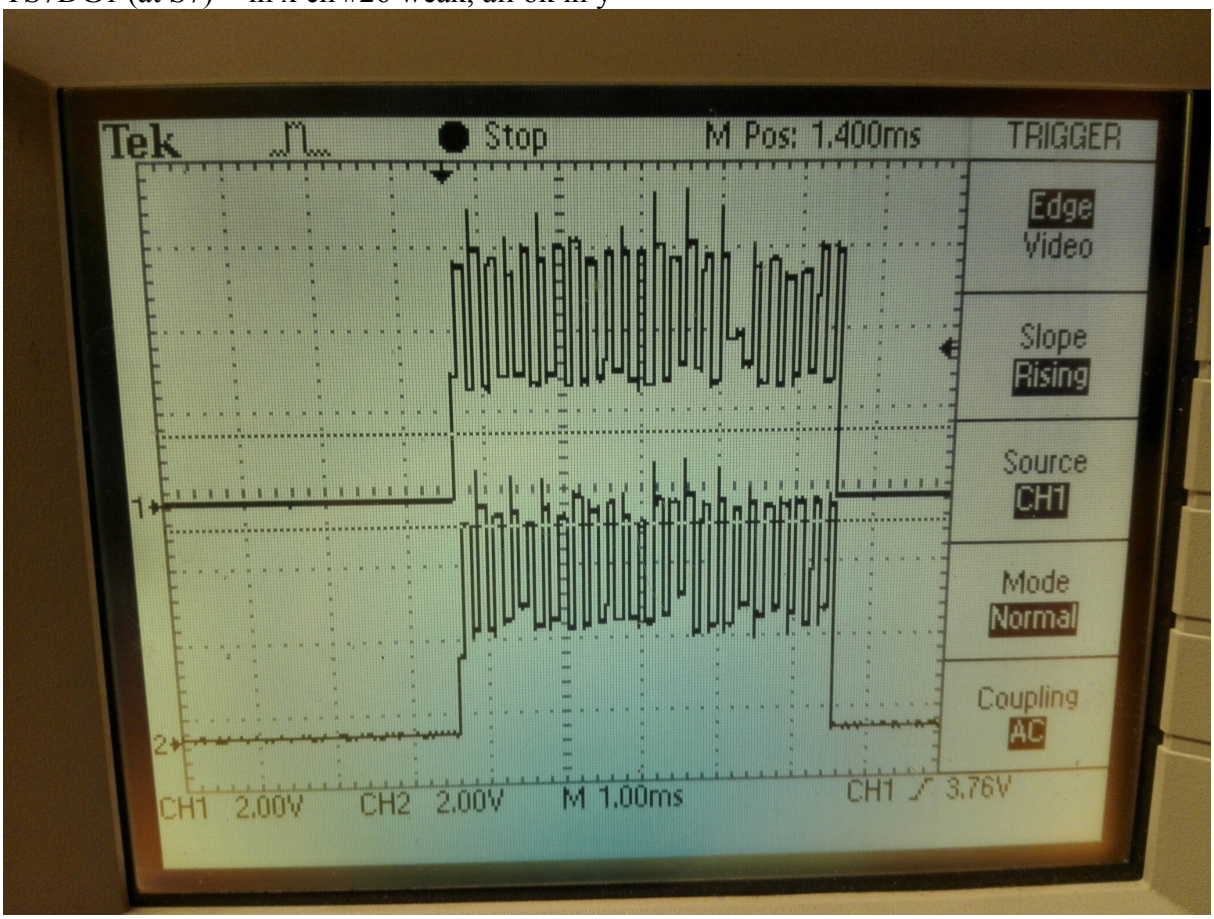
TS5DG1 (at S5) - one weak cannel (#8) in x and one bad (#36) in y



TE5DGCG (at S6) - all ok in x and y



TS7DG1 (at S7) - in x ch #26 weak, all ok in y

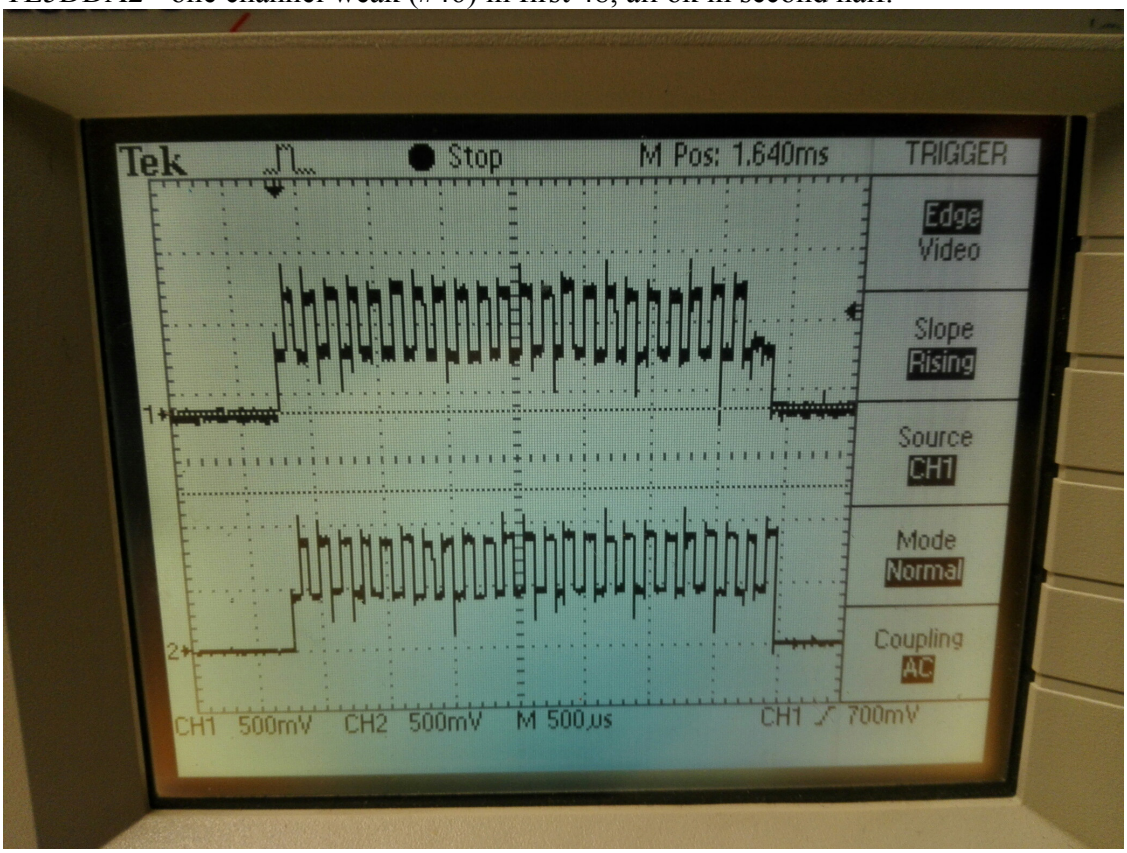


<u>Lower crate, channels 1-3 (mode TEST, 0.5 ms, 0.5 uA/V)</u>

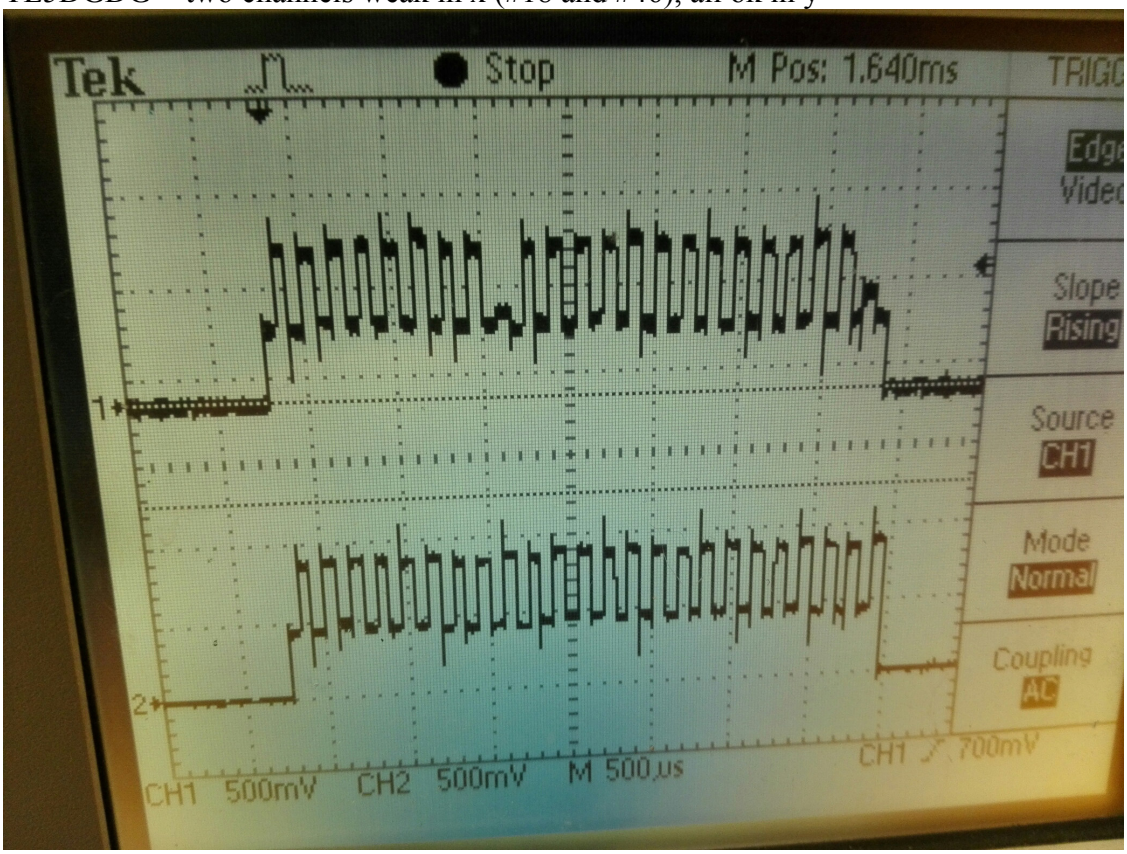
Gerät PG_T11		03.04.20
Adr.	Buchse A	Buchse B
1	TE5DDA2 X 1 - 48	TE5DDA2 X 65 - 96 TE5DDA2 Y 97 - 111
2	TE5DGDG X 1 - 47	TE5DGDG Y 65 - 111
3	TH4DG4G X 1 - 47	TH4DG4G Y 65 - 111

Only one device to be used: GTE5DGDG

TE5DDA2 - one channel weak (#46) in first 48, all ok in second half.



TE5DGDG - two channels weak in x (#18 and #46), all ok in y



TH4DG4G - one weak channel in x (#46), all ok in y