



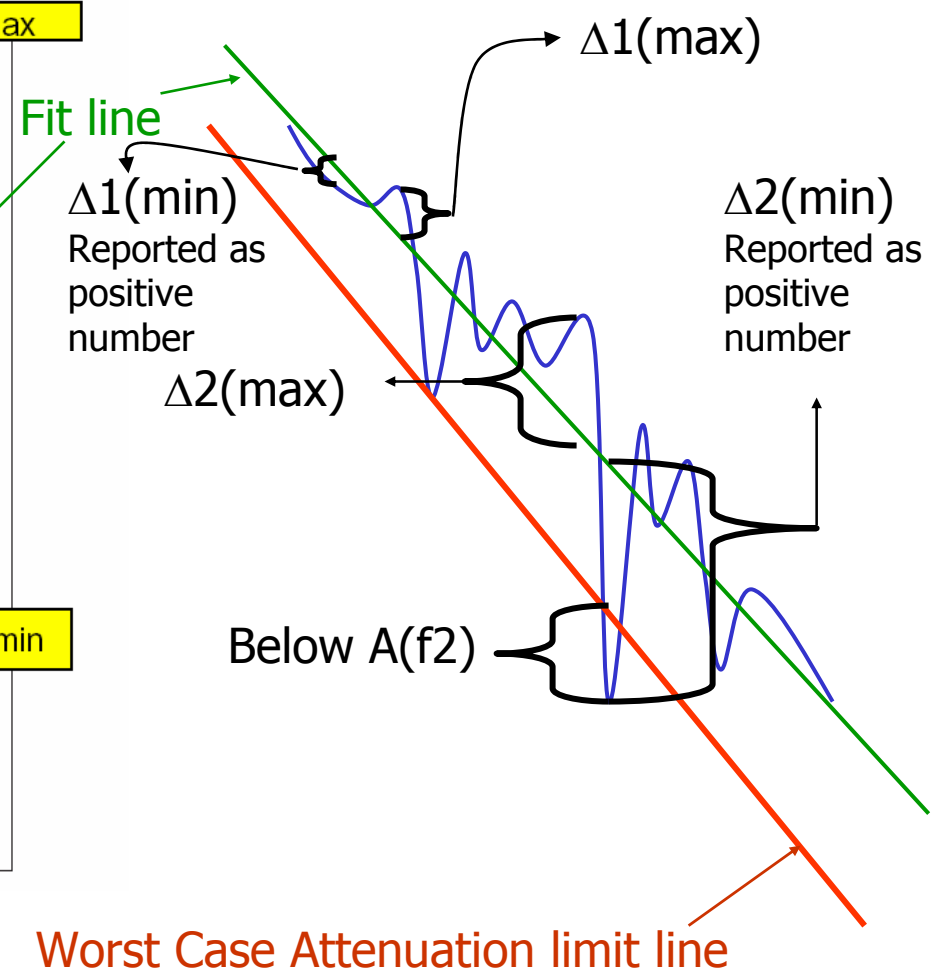
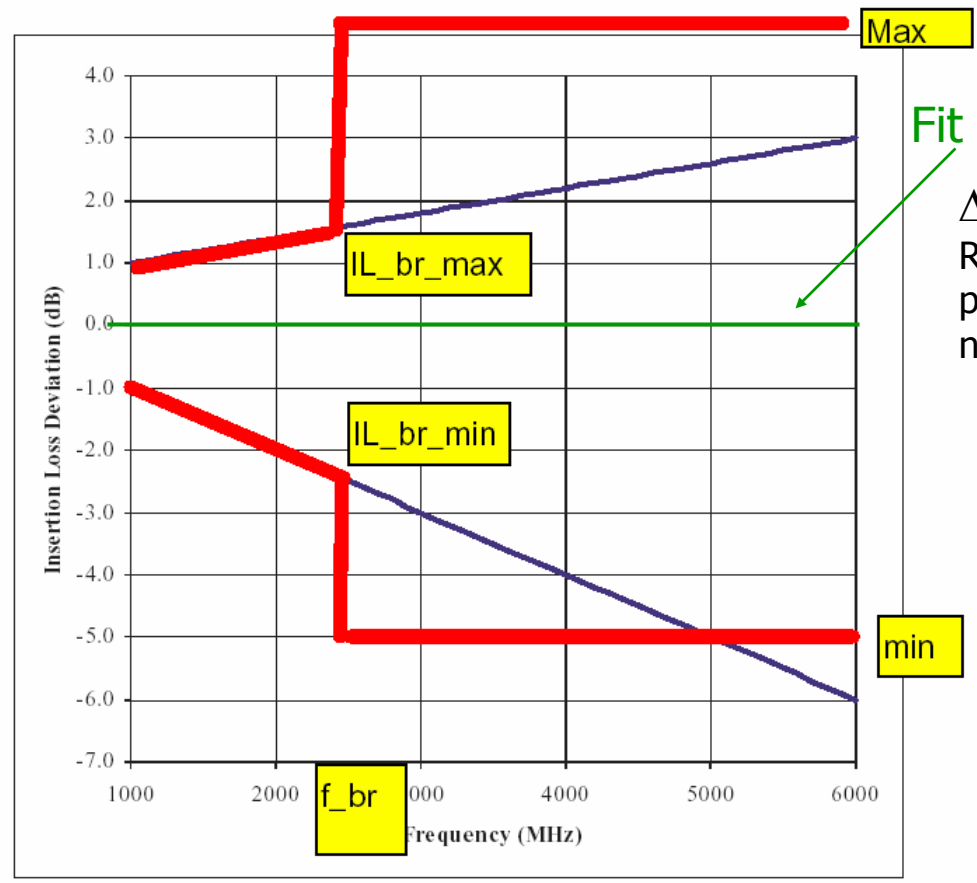
Informative AC Parameter Analysis

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- Review of AC informative parameters
- Ordered Abler_01_0305 analysis results
- Fit AC informative parameters to Abler results

Review of AC parameters

3

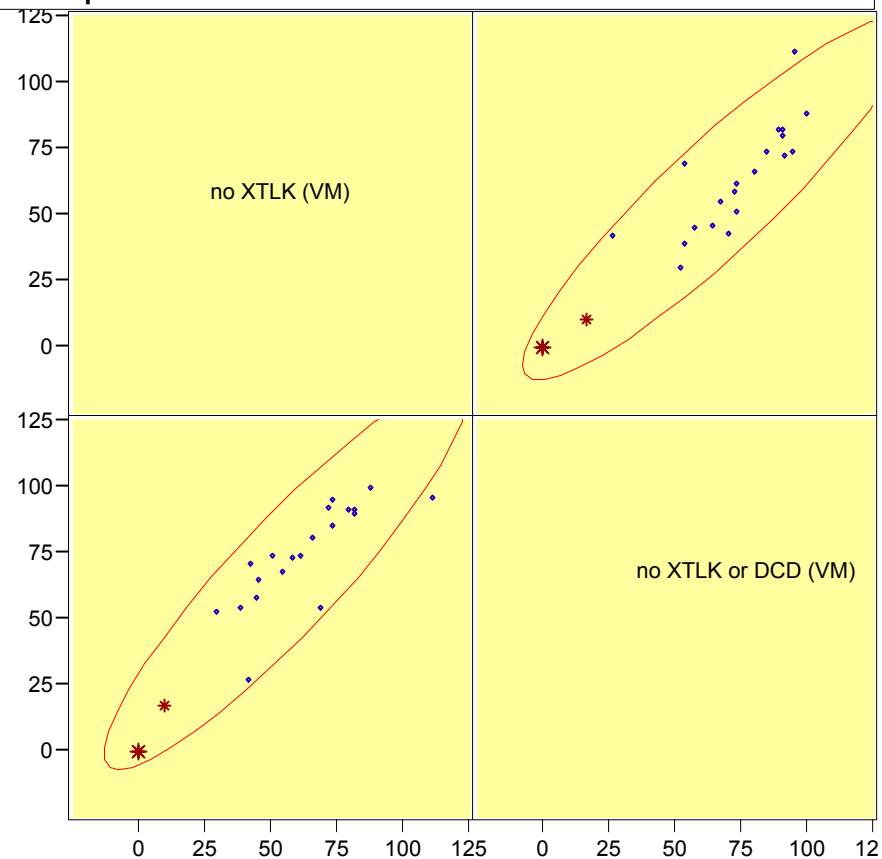


Abler order for cases

cases	Abler no XTLK (VM)	Abler no XTLK or DCD (VM)
Case5 DS 13 10 T D13 L6	112	96
Case4 FM 13SI 20 T D13 L6	88	100
OUT_sj2k2g2h2_SPARS	82	91
OUT_sj5k5g5h5_SPARS	82	90
OUT_sj4k4g4h4_SPARS	80	91
IN_sj5k5g5h5_SPARS	74	85
OUT_sj3k3g3h3_SPARS	74	95
Case1 FM 13SI 20 T D13SI L10	72	92
peters_01_0904_B12_thru	69	54
Case2 FM 13SI 20 T D13 L10	66	81
peters_01_0904_B1_thru	62	74
IN_sj3k3g3h3_SPARS	59	73
peters_01_0904_B20_thru	55	68
peters_01_0904_M20_thru	51	74
IN_sj2k2g2h2_SPARS	46	65
Case6 DS 13 10 T D13 L6	45	58
Case7 FM 13SI 1 T D13SI L6	43	71
peters_01_0904_M1_thru	42	27
IN_sj4k4g4h4_SPARS	39	54
Case3 FM 13SI 20 T D6 L10	30	53
peters_01_0904_T20_thru	10	17
peters_01_0904_T1_thru	0	0
peters_01_0904_T12_thru	0	0

Both predict same trends

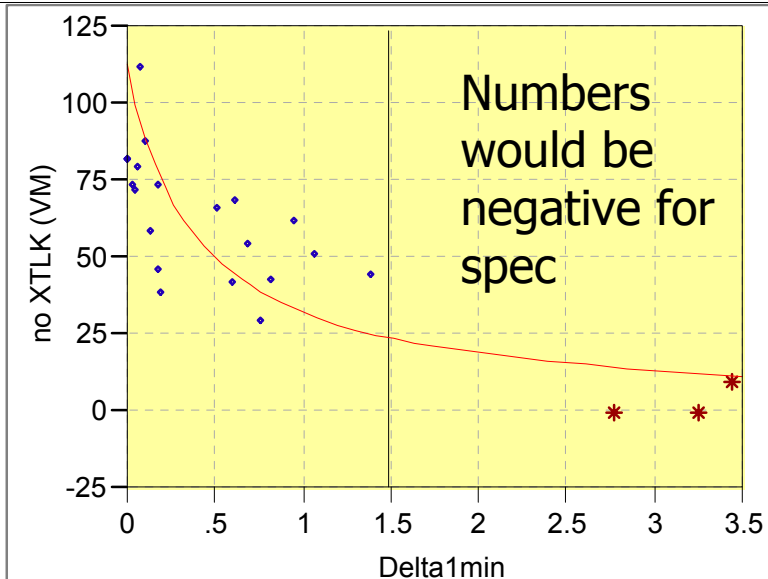
Scatterplot Matrix



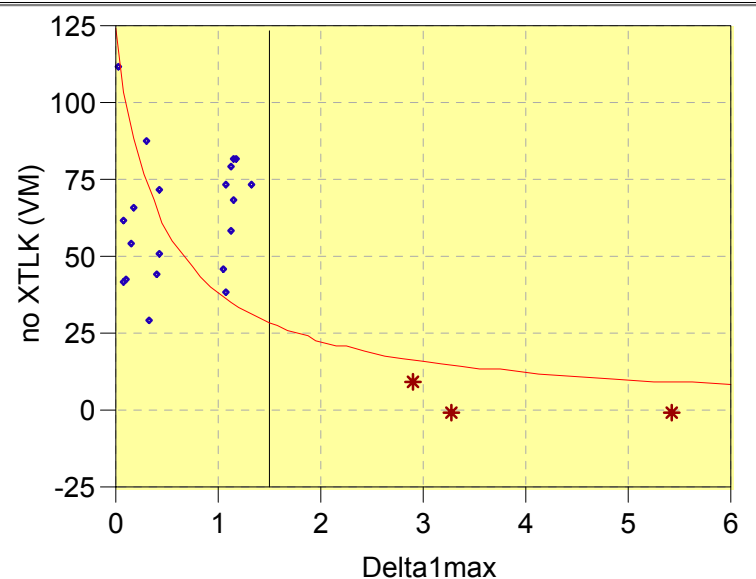
$\Delta_1(\max)$ and $\Delta_1(\min)$ fits

Fit Y by X Group

Bivariate Fit of no XTLK (VM) By Delta1min



Bivariate Fit of no XTLK (VM) By Delta1max



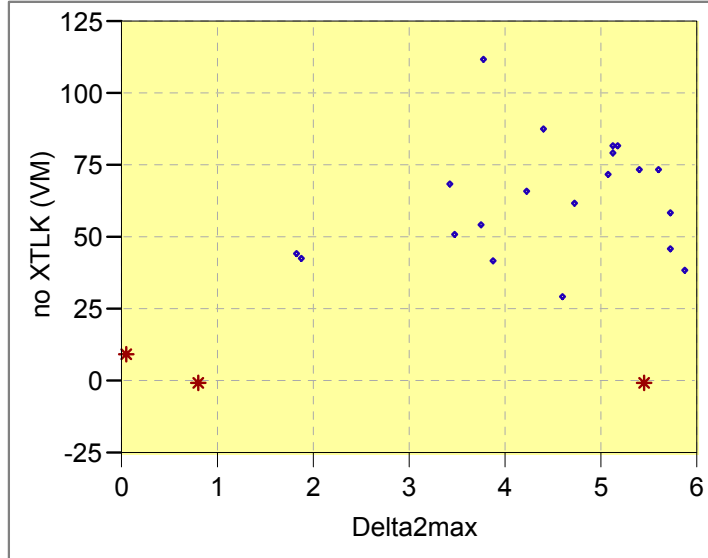
* Is peters0904 T1,T12,T20

- It looks like setting $\Delta_1(\max)$ and $\Delta_1(\min)$ to would discriminate between good channels and bad channels

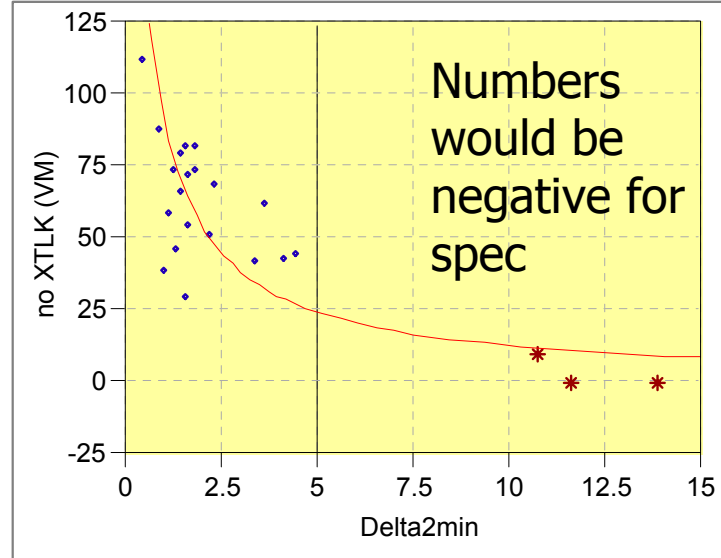
$\Delta_2(\max)$ and $\Delta_2(\min)$ fits

Fit Y by X Group

Bivariate Fit of no XTLK (VM) By Delta2max



Bivariate Fit of no XTLK (VM) By Delta2min



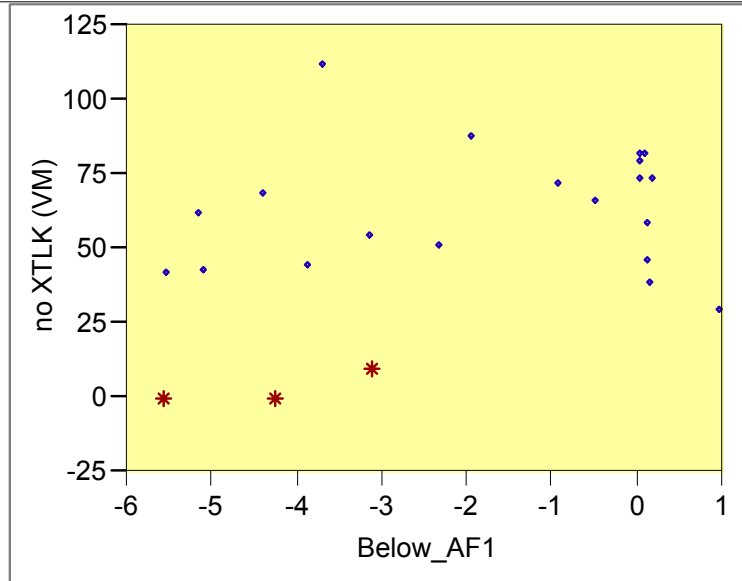
* Is peters0904 T1,T12,T20

- It looks like setting $\Delta_2(\min)$ to 5 would discriminate between good channels
- There doesn't seem to be any fit for $\Delta_2(\max)$

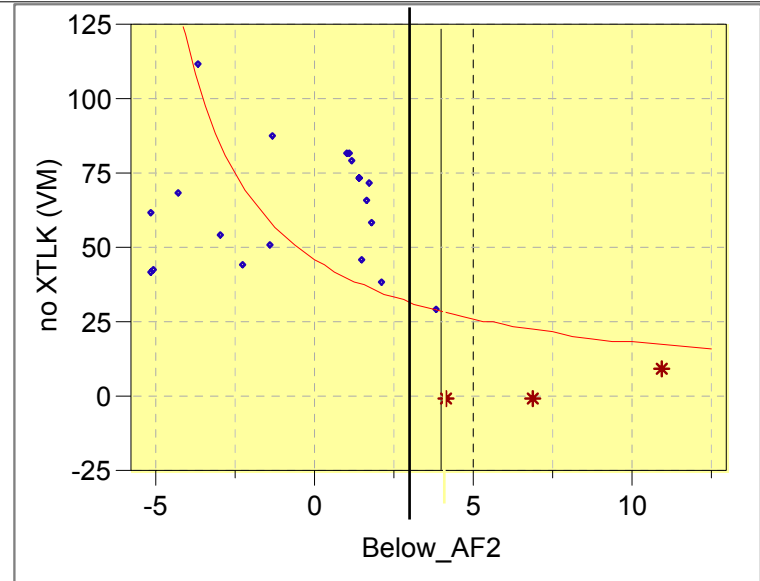
Below AF1 (IL1) and Below AF2 (IL2) Fit

Fit Y by X Group

Bivariate Fit of no XTLK (VM) By Below_AF1



Bivariate Fit of no XTLK (VM) By Below_AF2



- It looks like $A(f) - (|\Delta_2(\min)| - 2 \text{ dB})$ is a discriminator for AF2 (or 3db below)
- It looks like there is no fit for AF1