

Measured Waveform Penalties with new Ewen TP3 stressors

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- Update of results presented in
http://grouper.ieee.org/groups/802/3/aq/public/upload/TP2measuredwaveformpenalties_finiteEQsTP3D1.1stressors.pdf, and corroborated in
<http://grouper.ieee.org/groups/802/3/aq/public/upload/results.pdf>
- Updated to use the TP3 stressors submitted by John Ewen on 4/7/05

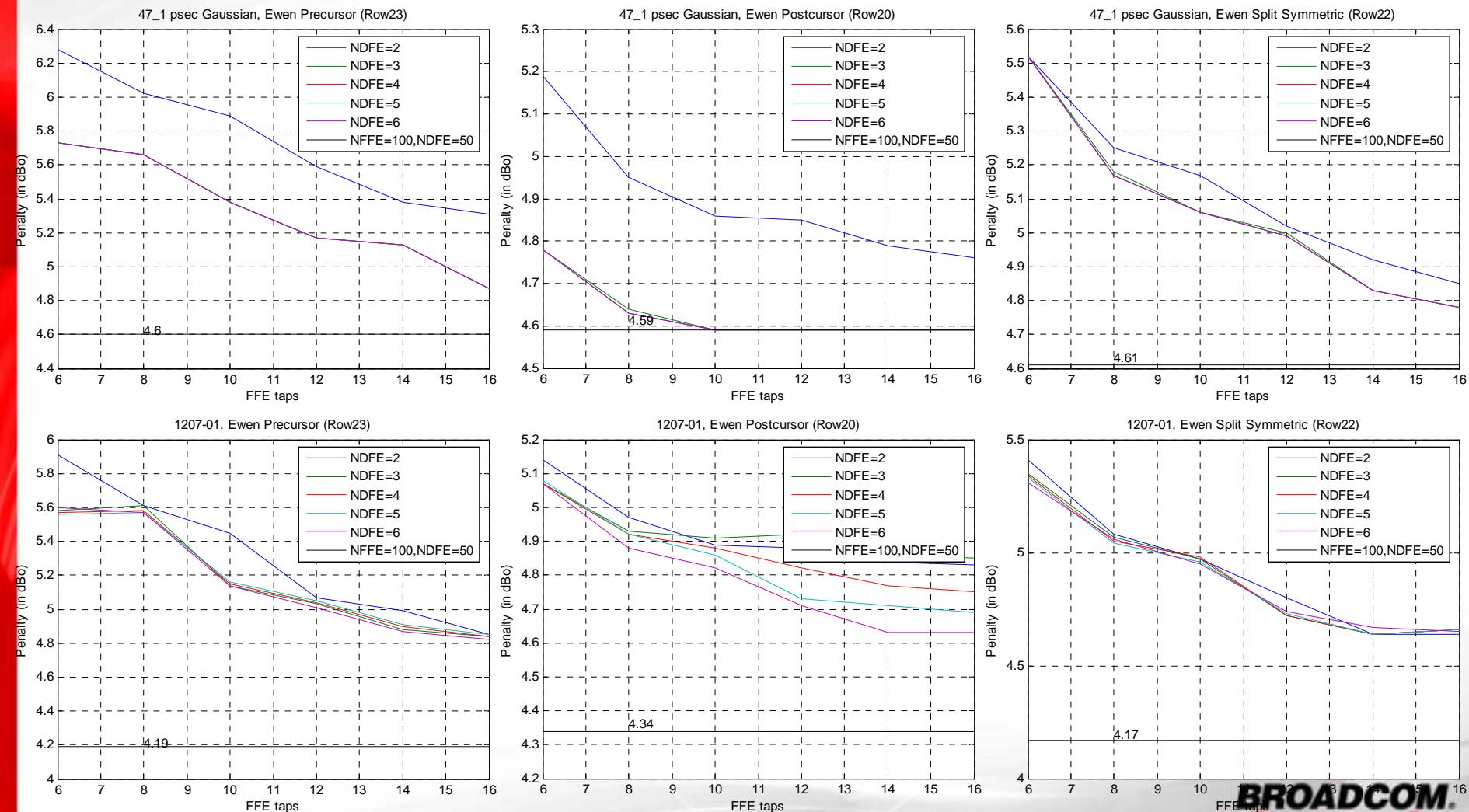
Plot Parameters

- Based on MATLAB code similar (but not identical) to TWDP core
- Each row is same measured waveform (identified in slide title)
- Each column is from John Ewen's TP3 stressor Excel spreadsheet (4/7/05), with PIE-D approx. equal to 4.5 dB
 - channel 1 (pre, row 23), channel 2 (post, row 20), channel 3 (split symm, row 22)
 - Stress levels not final, but shows trends under 3 IPRs
- Each trace is #FB taps
 - 30 DFE combinations (per Ewen <6.5 dB total penalty)
 - Long EQ also shown
- Y axis is power penalty, dBo

Group 1

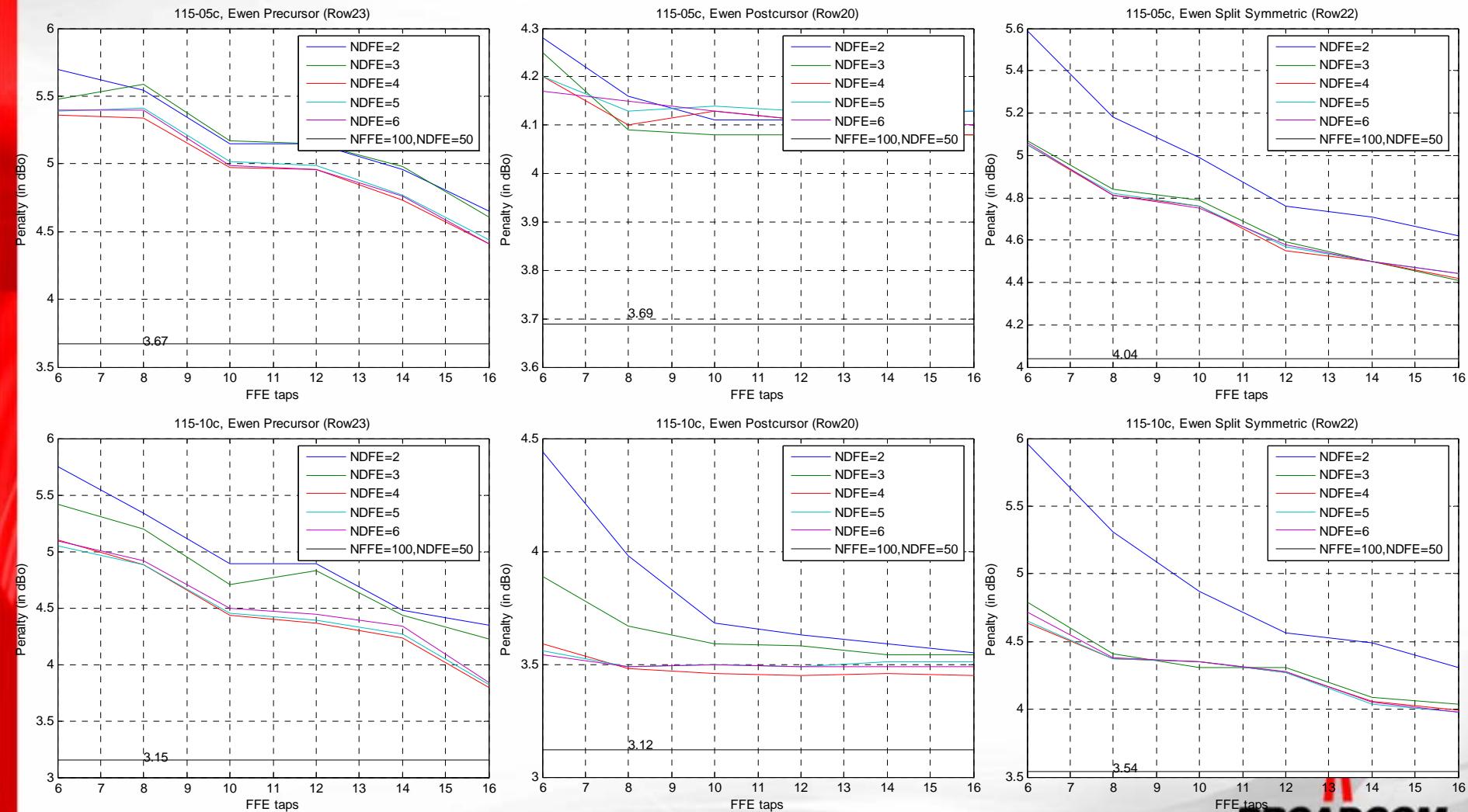
Power Penalties

47.1ps Gaussian Finisar 1207-01



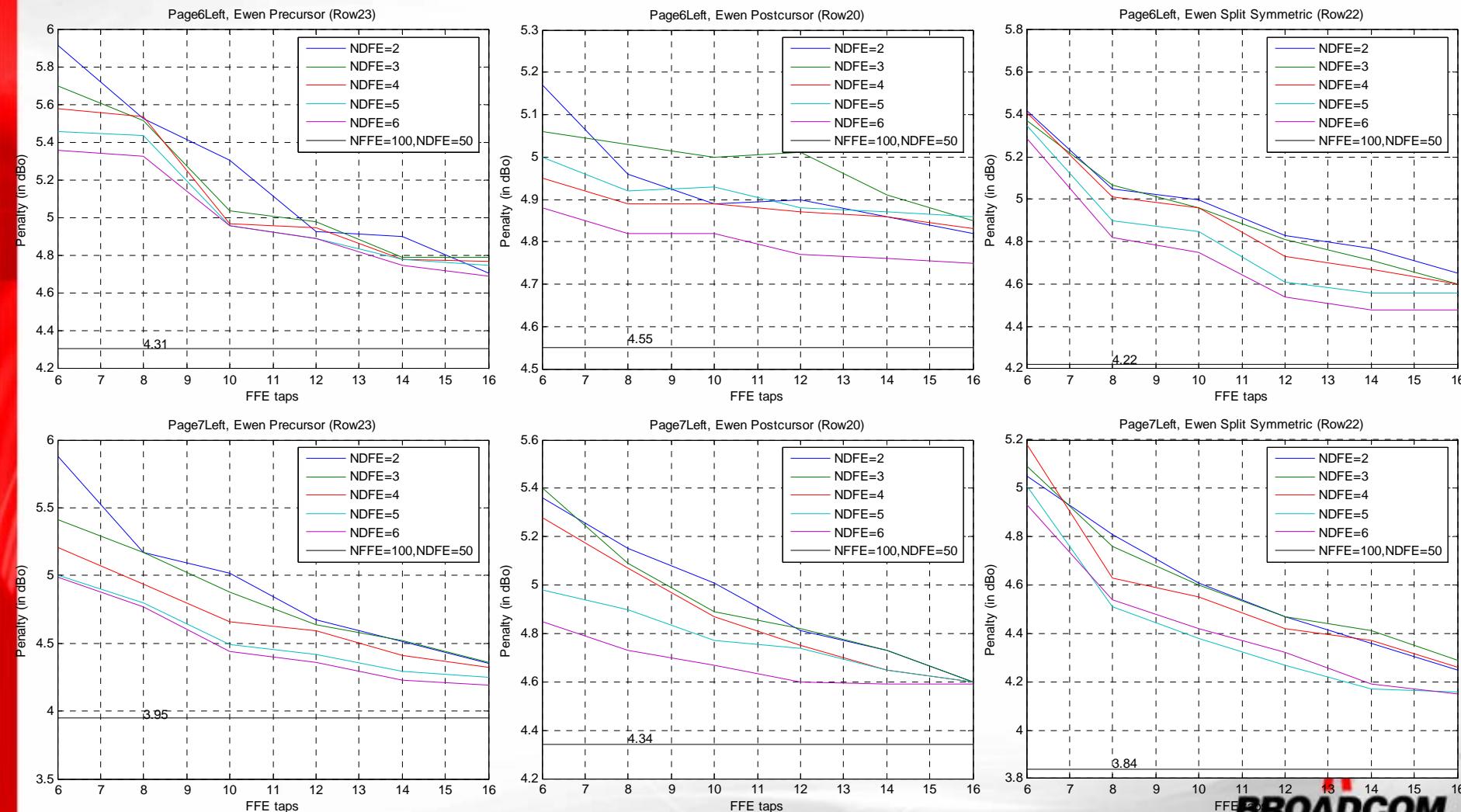
Finisar 115-05c

Finisar 115-10c



Intel Page6Left

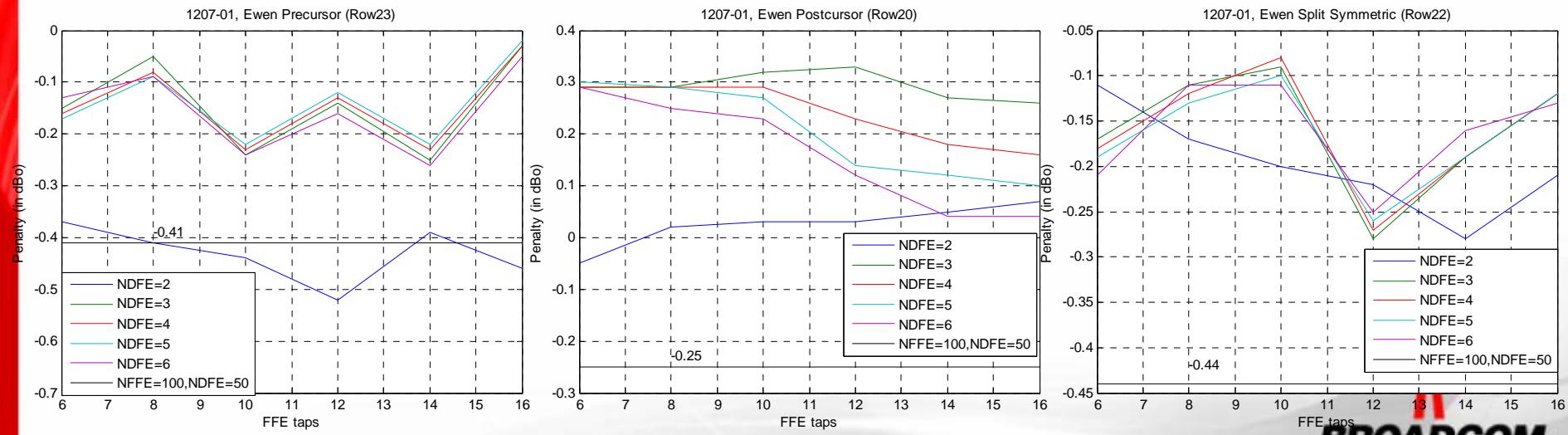
Intel Page7Left



Group 2

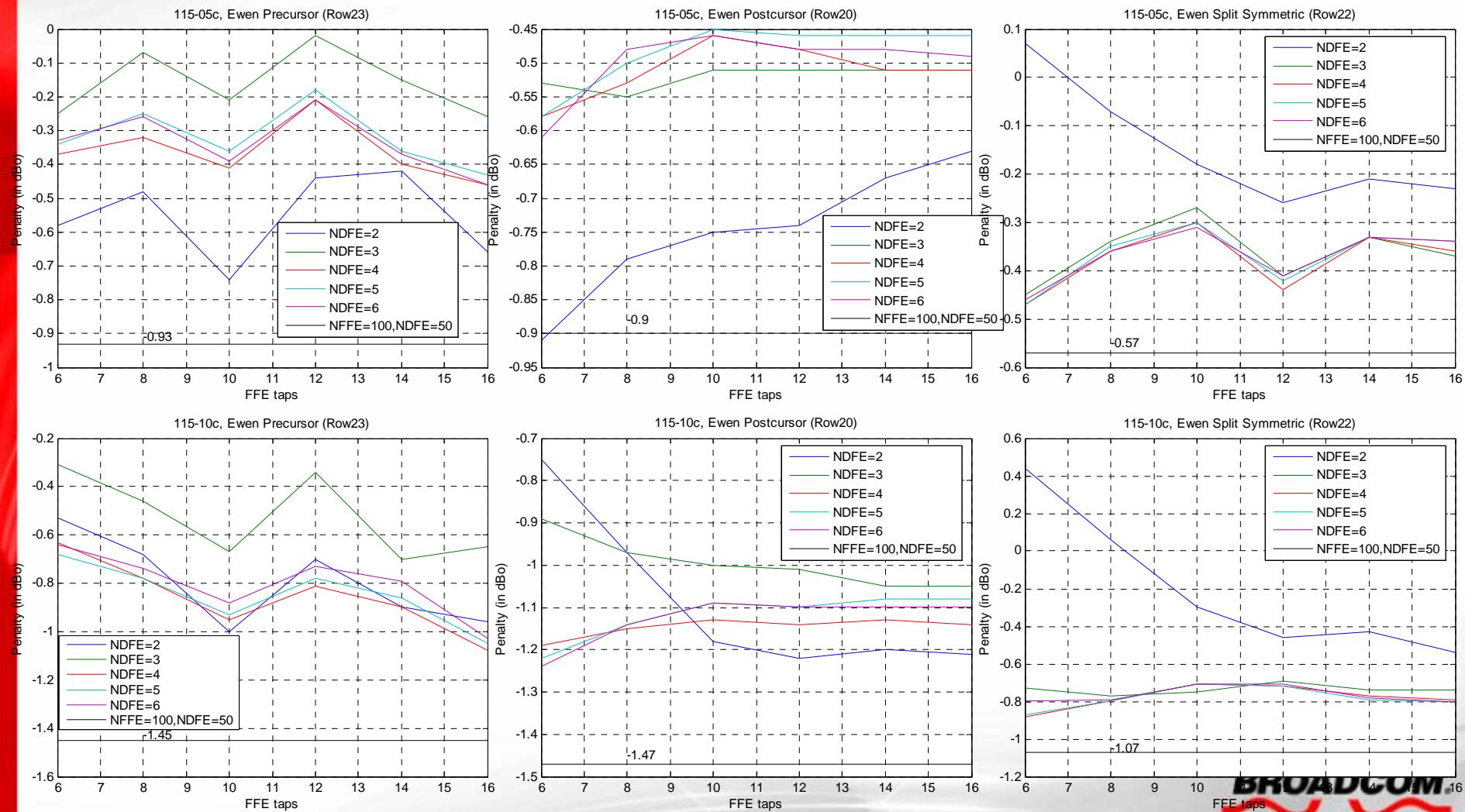
Same as Group 1, but Gaussian-case penalties
subtracted on a point-by-point basis
Y axis is *relative* penalty

Finisar 1207-01 *relative*



Finisar 115-05c relative

Finisar 115-10c relative



Intel Page6Left *relative* Intel Page7Left *relative*

