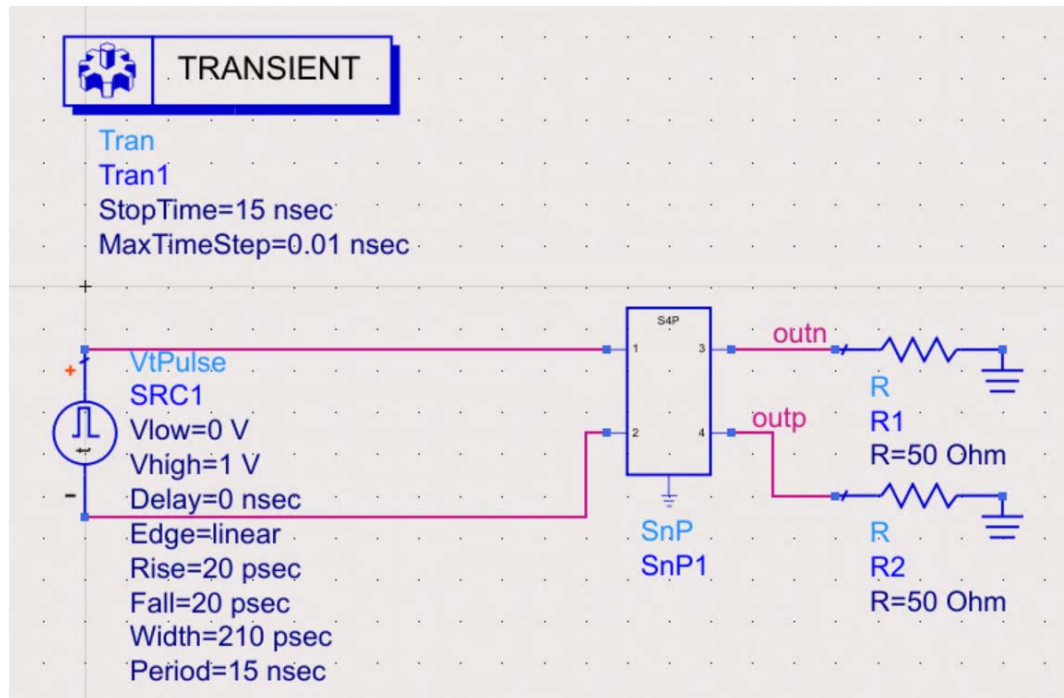
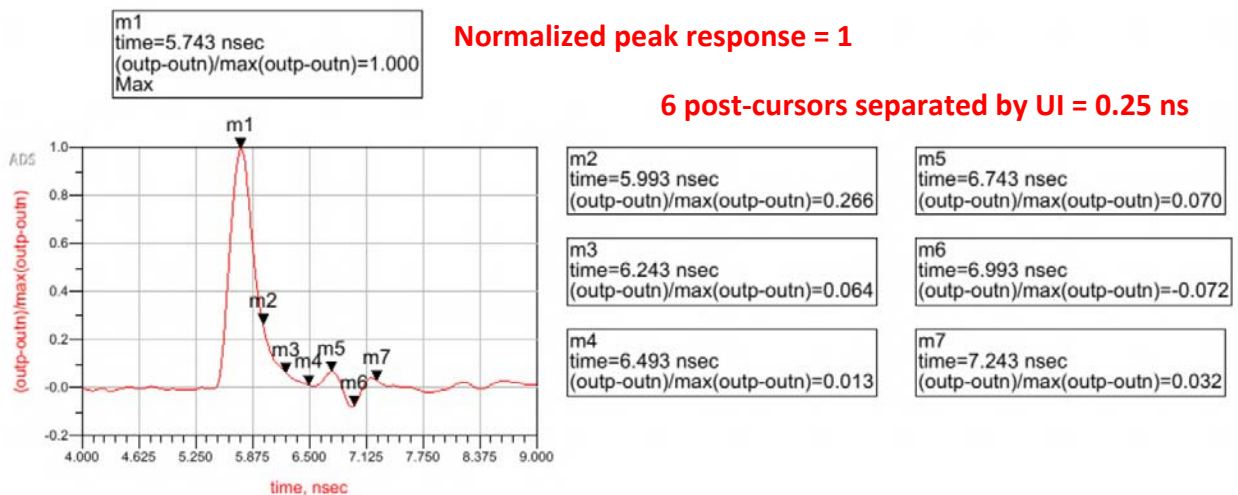


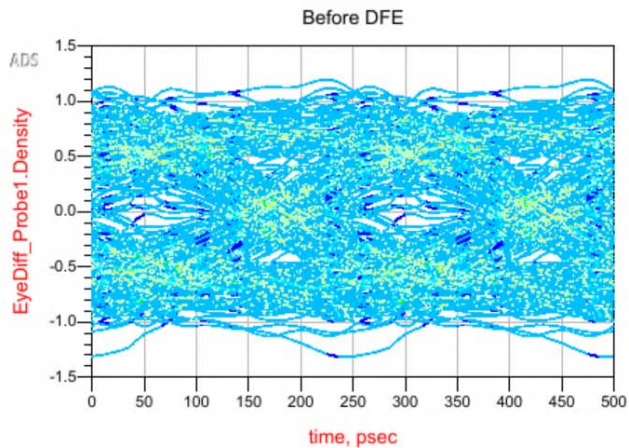
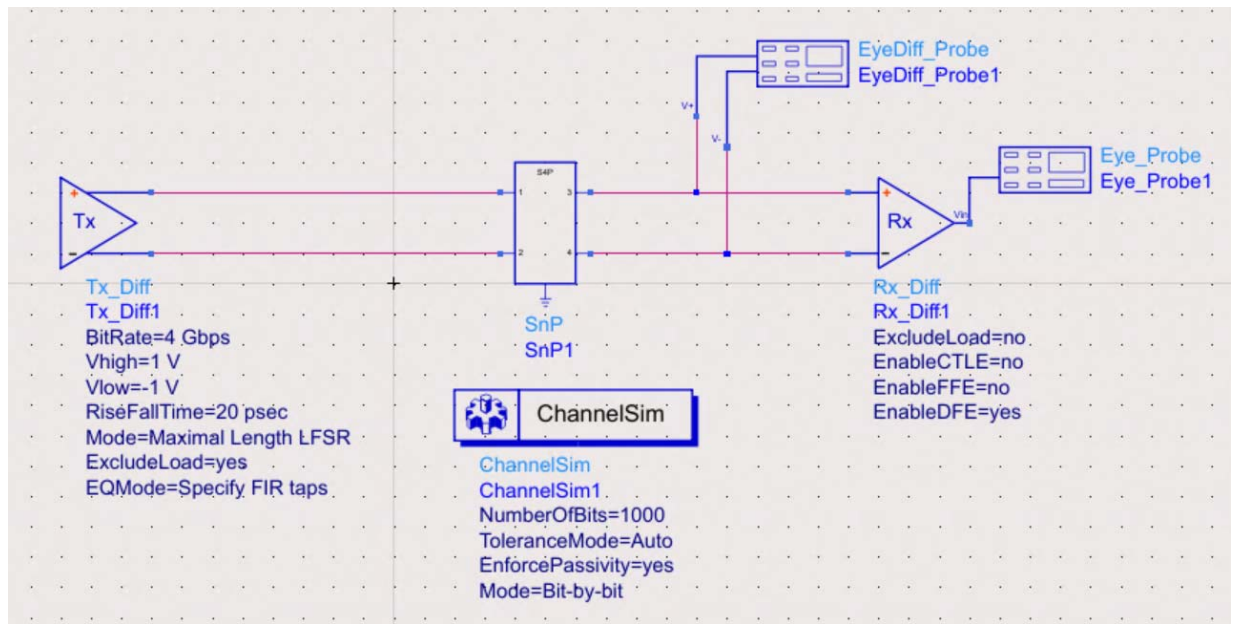
1. Extract pulse response of the channel (Schematic)



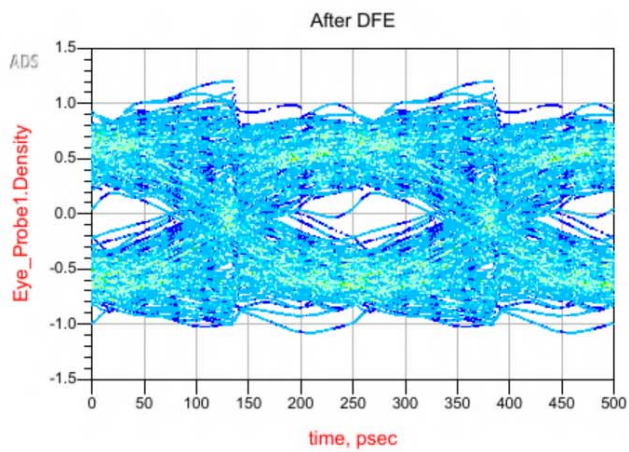
2. Find the post cursors (Data Display)



3. Adaptive DFE equalization in ADS (Schematic & Data Display)



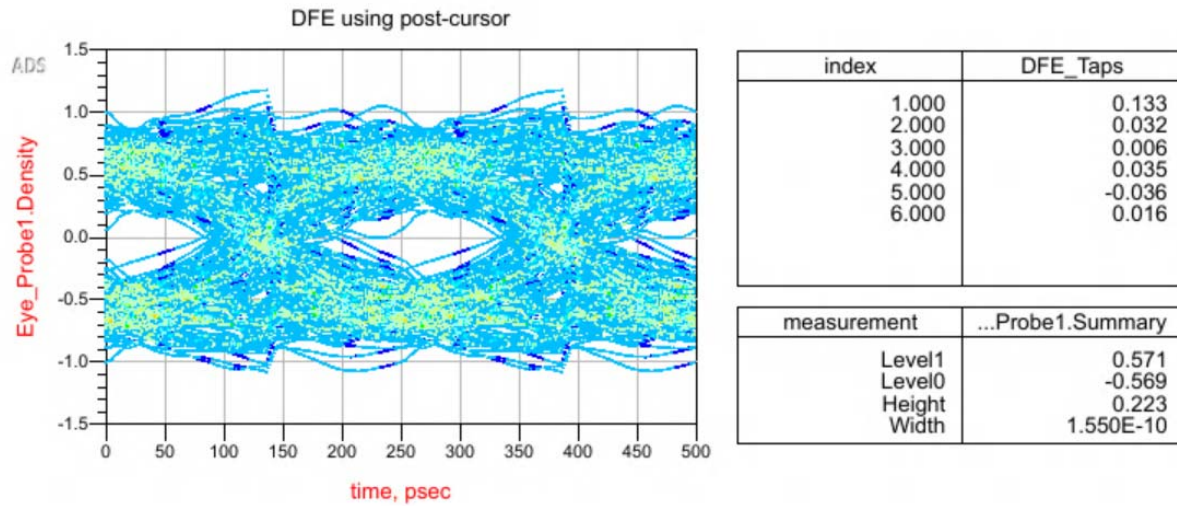
measurement	EyeDiff_Probe1.Summary
Level1	0.572
Level0	-0.570
Height	0.000
Width	0.000



index	DFE_Taps
1.000	0.144
2.000	0.030
3.000	-0.002
4.000	0.029
5.000	-0.058
6.000	0.019

measurement	Eye_Probe1.Summary
Level1	0.574
Level0	-0.568
Height	0.224
Width	1.138E-10

4. Validate the post cursors (Data Display)



DFE tap value comparison

Tap #	Adaptive (reference)	Manual (post-cursor)	Match (%)
1	0.144	0.133	92.36
2	0.030	0.032	93.33
3	-0.002	0.006	LOW
4	0.029	0.035	79.31
5	-0.058	-0.036	62.07
6	0.019	0.016	84.21

Eye summary comparison

Measurement	Adaptive (reference)	Manual (post-cursor)	Match (%)
Level 1	0.574 V	0.571V	99.48
Level 0	-0.568 V	-0.569 V	99.82
Eye Height	0.224 V	0.223 V	99.55
Eye Width	114 ps	155 ps	*64

Overall, the taps calculated from pulse response successfully opens the eye.

*They even outperformed the adaptive DFE in terms of eye width.