ClariPhy Communications, Inc.

Comment #70

- Intention
  - Achieve an edge rate as specified (129 psec)
  - The edge should have a shape that is predominantly a Bessel-Thomson response
    - but that considers and allows some flexibility in the range of responses of generators and modulators/lasers
  - Any implementation that achieves this is allowed
- This is an informative test. Our challenge is to find the right compromise between precision, consistency, and flexibility.

Comment 70, proposed remedy

- 68.5.2, pg 8, Table 68-4, line 38
  - Change to “Rise and fall times, 20-80% 129 psec”
- 68.6.6.2, pg 14
  - Insert a new 2nd paragraph
    - The rise and fall times of the optical test signal should meet the requirements given in Table 68-4 and should be dominated by a 4th-order Bessel-Thomson response. The rise and fall times of the test signal are defined as measured with a 7.5 GHz Bessel-Thomson reference receiver and with the 20 bit square wave pattern used for calibrating OMA for the comprehensive stress test in clause YY (editor – please reference correct clause).
  - Replace the 2nd sentence of the current 2nd paragraph with
    - Adjustments to the filter may be required to produce the appropriate overall response at the optical output.
  - Remove rise/fall times from line 33.
  - Remove the 1st sentence of the last paragraph.

Comment 70, cont'd
Figure 68-8

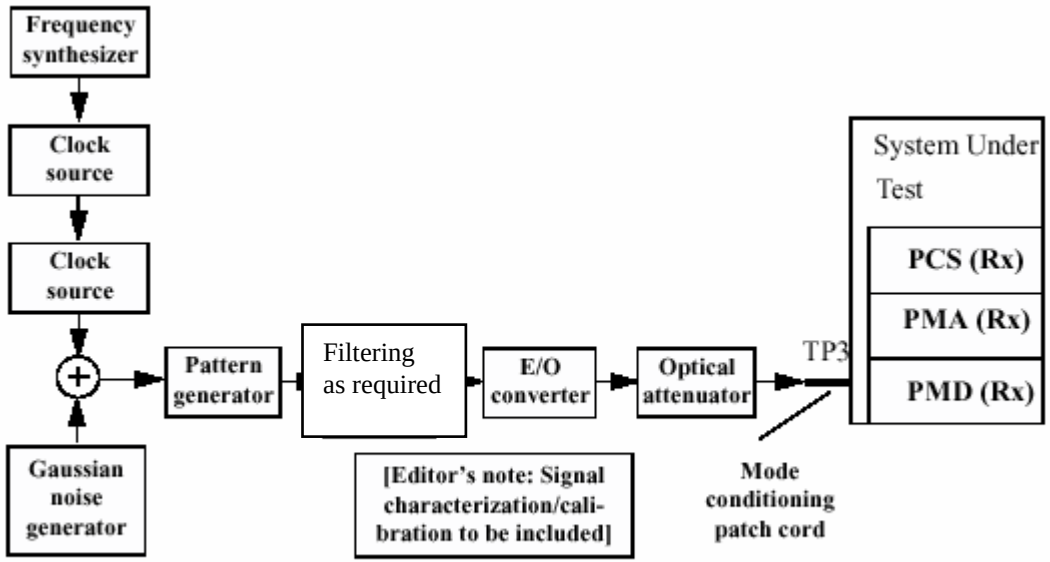

Figure 68–8—Measurement configuration for normative comprehensive stressed receiver sensitivity test

- Change filtering block, as shown
- Remove editor's note