



Adding charts comments against 802.3cu D2.1 #10, 11

David Lewis

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IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength Task Force



Content of comments #10 and #11

| | | | | | |
|-----------|----|---------|----|---|--|
| Technical | 44 | 140.6.3 | 43 | It would be helpful to add a graph showing how OMA _{outer} and RS vary with TDECQ and TECQ respectively. | Insert two graphs after Table 140-8 for 100GBASE-FR1 and 100GBASE-LR1, each showing the variation of Tx OMA _{outer} and RS against TDECQ and TECQ respectively. A presentation in support of this comment will show the form of the two graphs. |
| Technical | 67 | 151.7.3 | 27 | It would be helpful to add a graph showing how OMA _{outer} and RS vary with TDECQ and TECQ respectively. | Insert two graphs after Table 151-9 for 400GBASE-FR4 and 400GBASE-LR4-6, each showing the variation of Tx OMA _{outer} and RS against TDECQ and TECQ respectively. A presentation in support of this comment will show the form of the two graphs. |

New figures after Table 140-8 [values from [Nicholl 3cu 03 051920](#)]

Figure 140-x 100GBASE-FR1 transmitter
 OMA_{outer} and receiver sensitivity

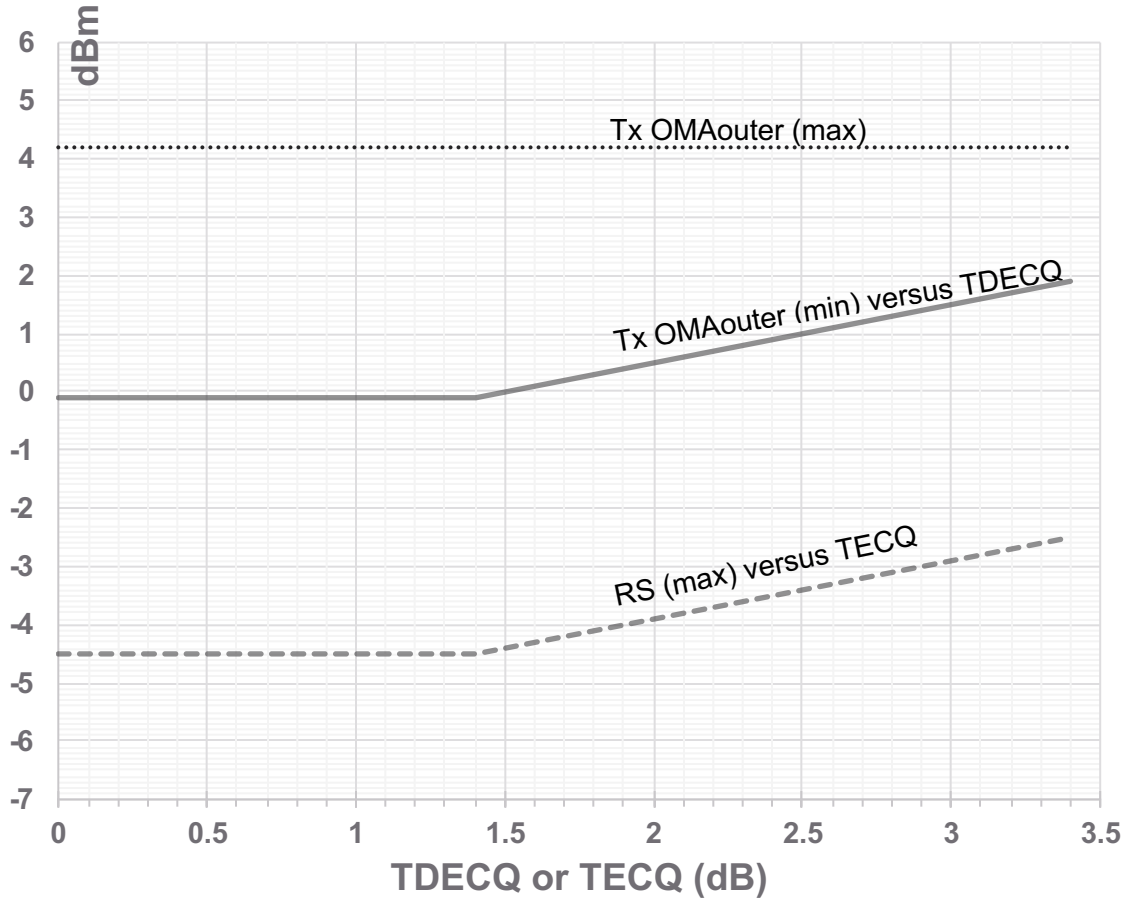
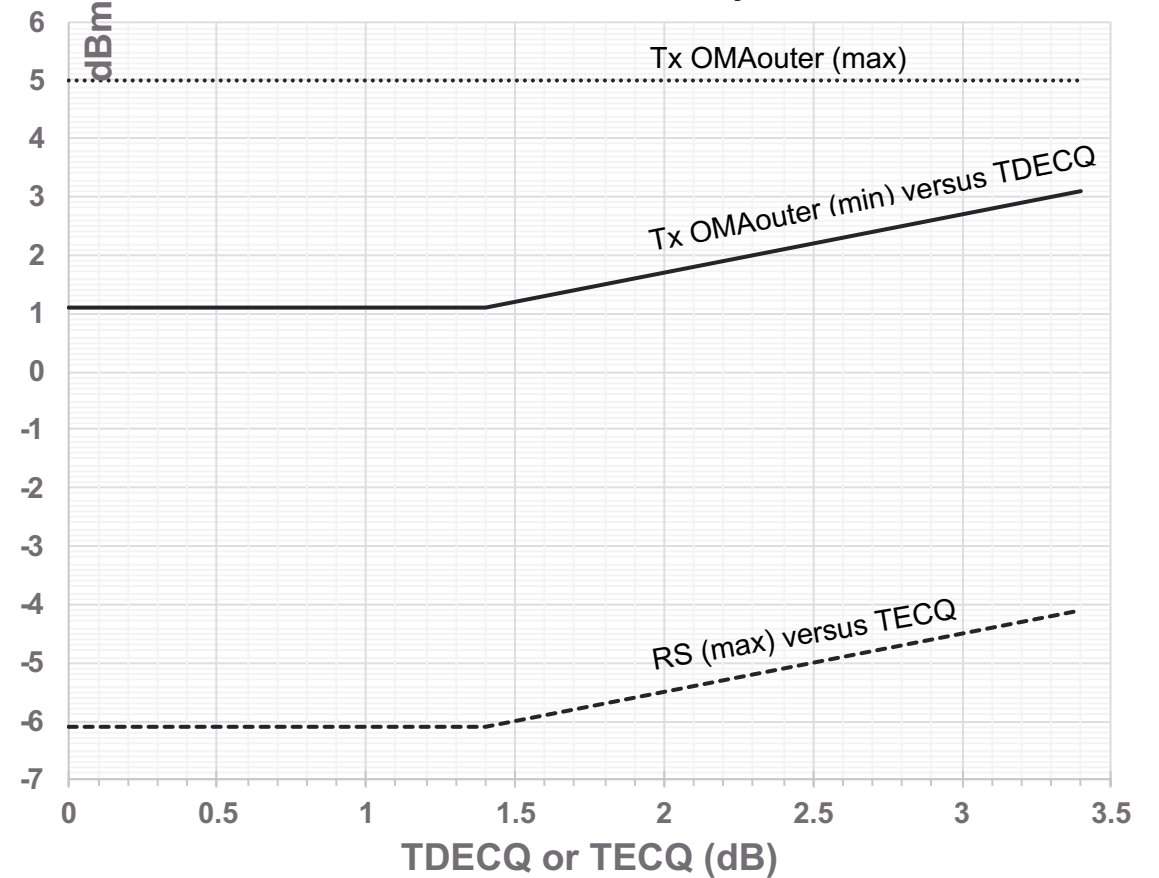


Figure 140-x 100GBASE-LR1 transmitter
 OMA_{outer} and receiver sensitivity



New figures after Table 151-9 [values from [Nicholl 3cu 03 051920](#)]

Figure 151-x 400GBASE-FR4 transmitter
OMA_{outer} and receiver sensitivity

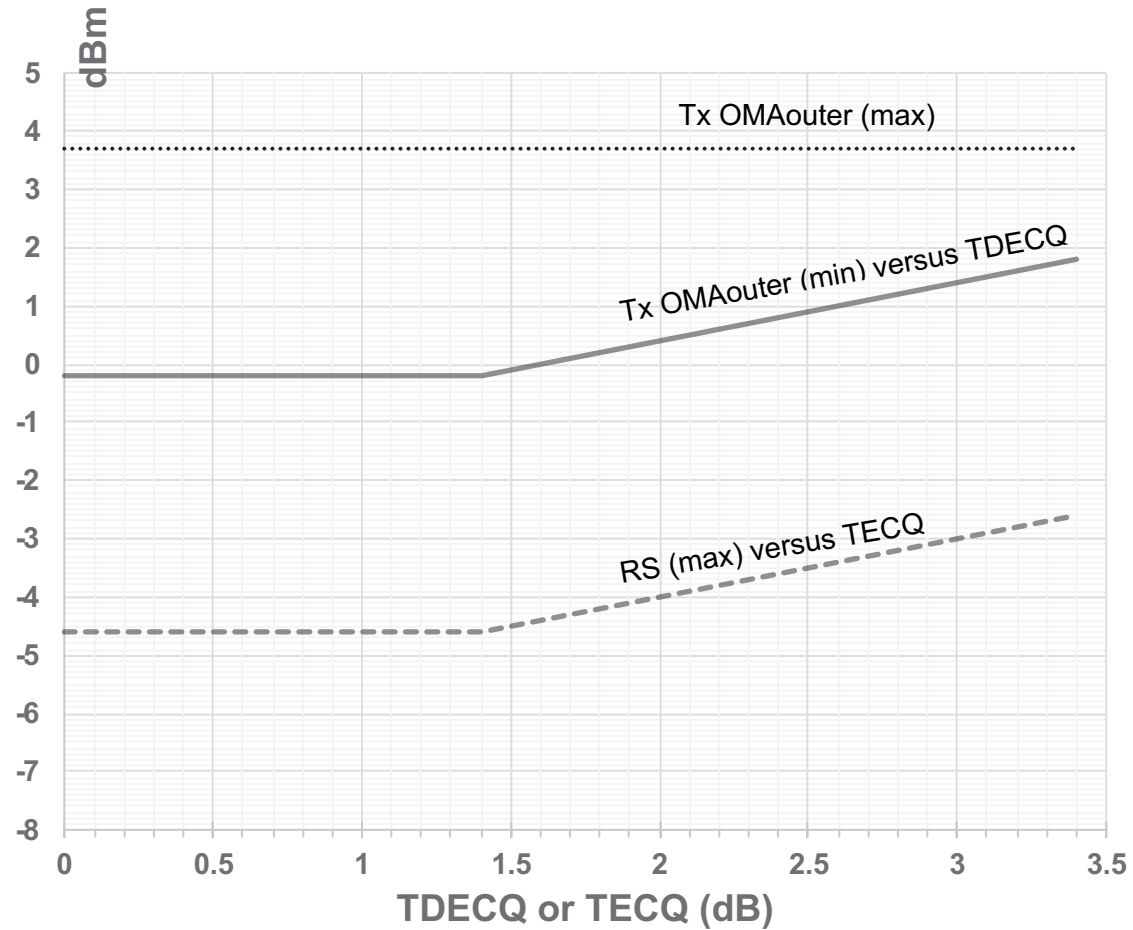
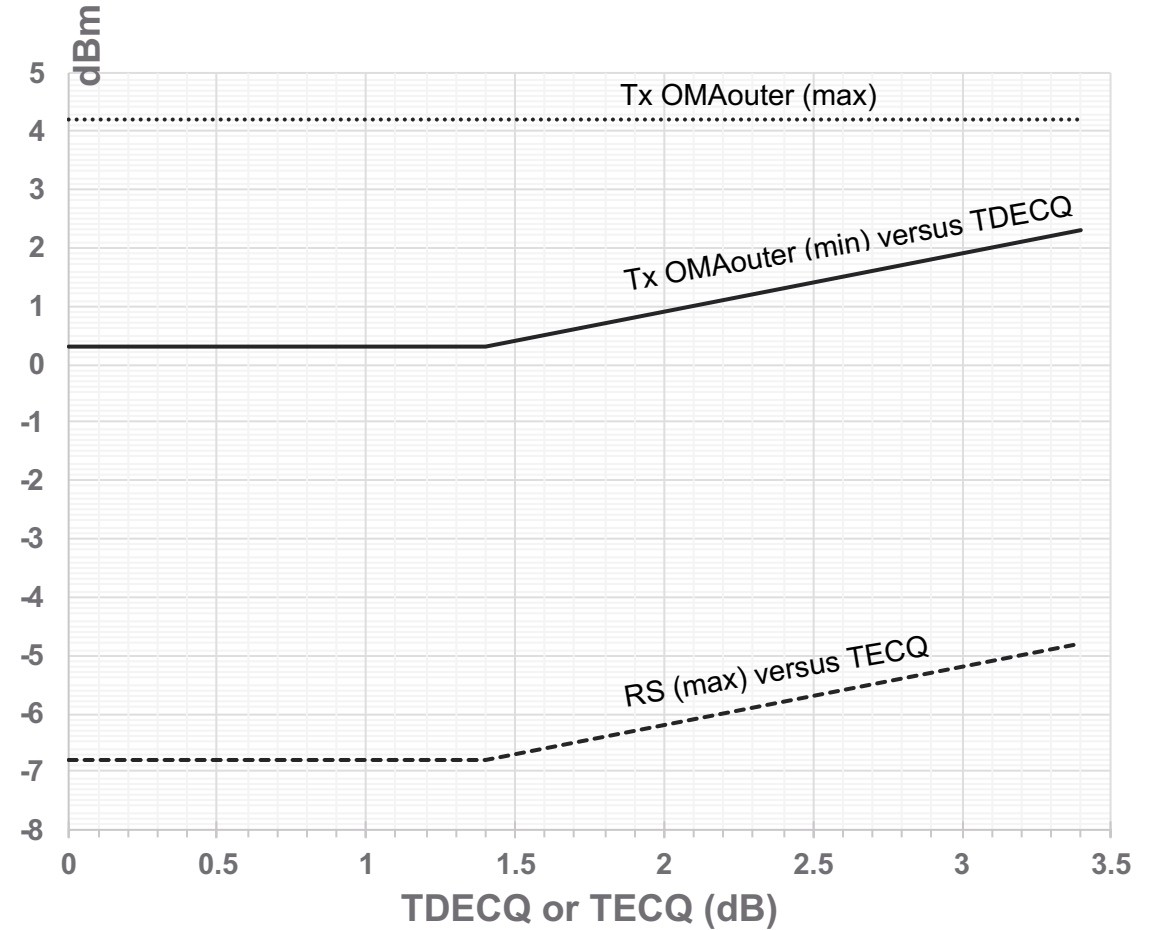


Figure 151-x 400GBASE-LR4-6 transmitter
OMA_{outer} and receiver sensitivity



Alternative A: separate Tx and Rx charts (similar charts in clause 151)

Figure 140-x 100GBASE-FR1 and 100GBASE-LR1 transmitter OMA_{outer}

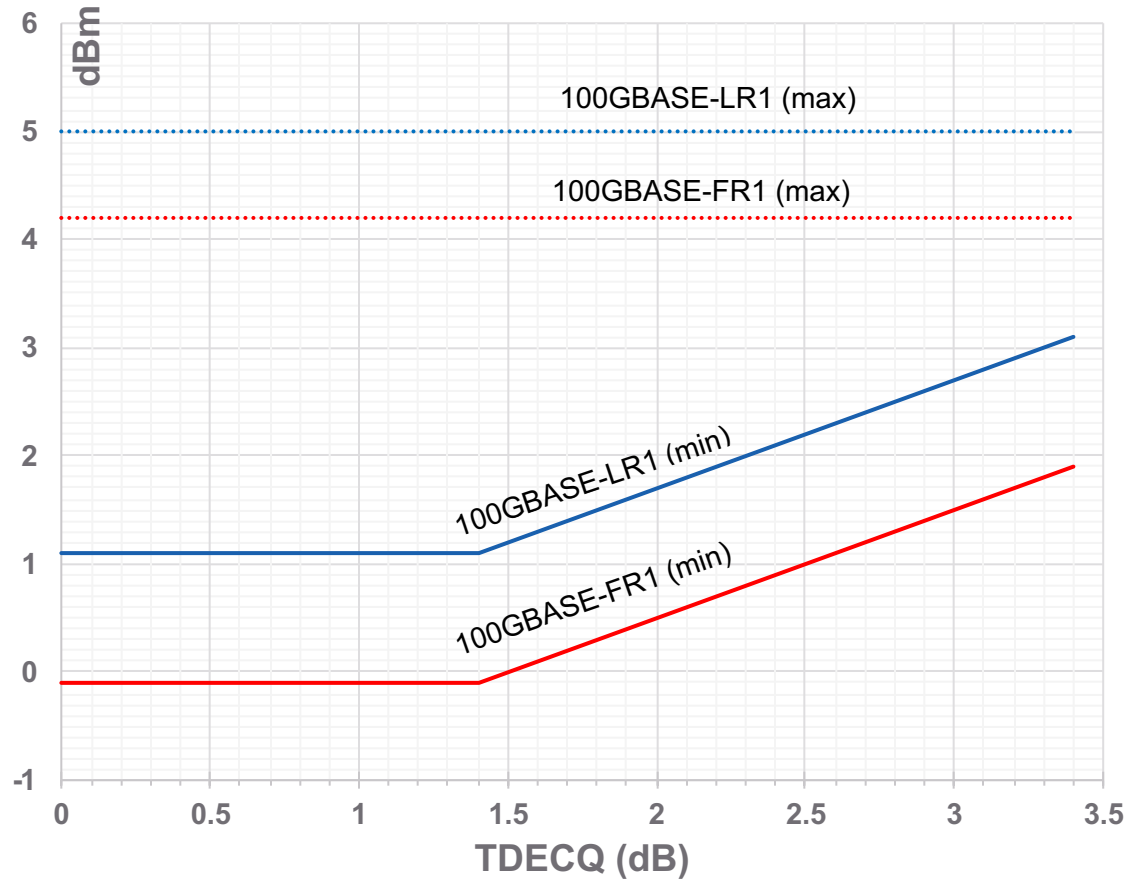
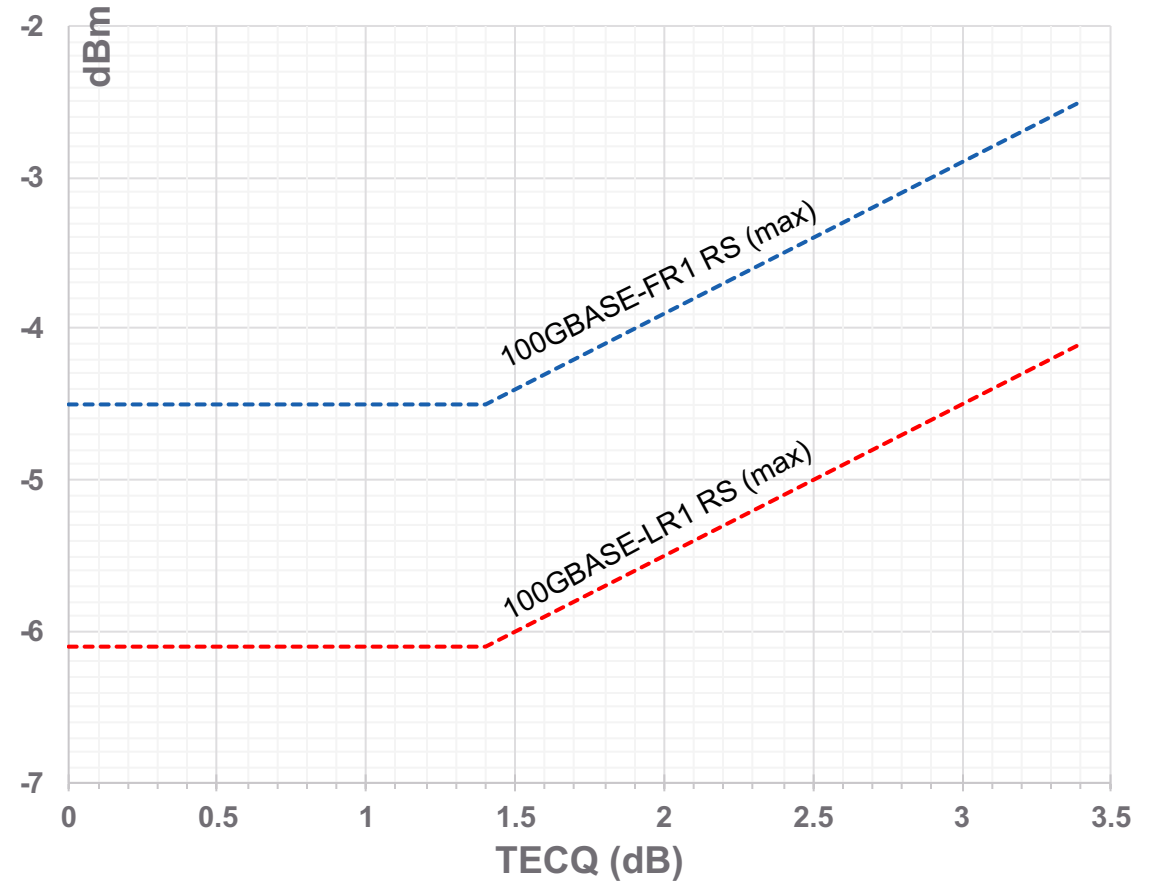
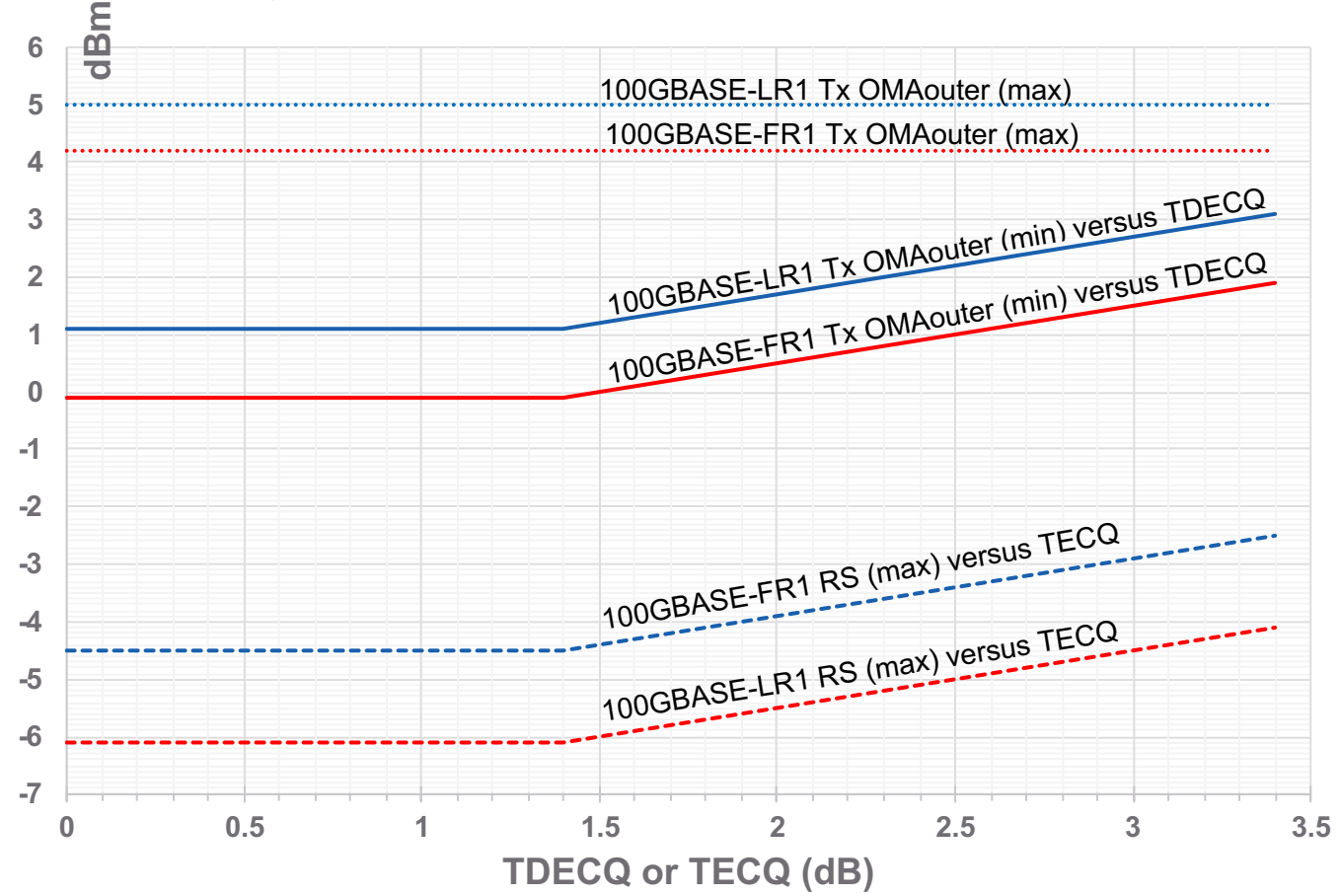


Figure 140-x 100GBASE-FR1 and 100GBASE-LR1 receiver sensitivity



Alternative B: All in one chart (similar chart in clause 151)

Figure 140-x 100GBASE-FR1 and 100GBASE-LR1 transmitter OMA_{outer} and receiver sensitivity



Summary

- Comment #10 proposes adding the two charts on page 3 to subclause 140.6.3 after Table 140-8 and with editorial license to reference them.
- Comment #11 proposes adding the two charts on page 4 to subclause 151.7.3 after Table 151-9 and with editorial license to reference them.
- Alternative A would instead add the chart for Tx OMAouter on page 5 to subclause 140.6.1 the chart of RS on page 5 to subclause 140.6.2. Similar charts would be added to 151.7.1 and 151.7.2 with editorial license.
- Alternative B would instead add the chart on page 6 to subclause 140.6.3 with editorial license to reference it. A similar chart would be added to 151.7.3 with editorial license to reference it.