

Cl 149 SC 149.5.3.2 P 156 L 12 # 88
 Zimmerman, George CME Consulting/ADI, APL Group, Aquantia, BMW, Ci
 Comment Type T Comment Status D late

The TBDs need to be filled in, and when doing so, the structure of the sentence needs to be changed to reflect that with a constant alien crosstalk coupling the noise level will shift. Suggest the numbers for 10GBASE-T1 in sederat_3ch_0419.pdf, adjusted for 2.5G and 5GBASE-T based purely on the difference in disturbing PSD levels, not on receiver noise tolerance, which would require more work on cabling and different cable specs for these technologies.

SuggestedRemedy

Replace "bandwidth of TBD MHz, and magnitude of TBD dBm/Hz" with "bandwidths and magnitudes shown in Table 149-xx"
 Insert Table 149-xx (autonumbered) after Figure 149-41, with entries (commas between columns, semicolons for rows)
 Header row: "PHY Type", "Noise Bandwidth (MHz)", "Added Noise at MDI (dBm/Hz)";
 and body rows:
 10GBASE-T1, 3000 MHz, -152 dBm/Hz;
 5GBASE-T1, 1500 MHz, -149 dBm/Hz;
 2.5GBASE-T1, 750 MHz, -146 dBm/Hz;

Proposed Response Response Status W

Cl 149 SC 149.5.3.2 P 156 L 12 # 87
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 Comment Type T Comment Status D late

Comment 228 from draft 1.1 was implemented incorrectly. Accepted resolution specified the noise level is at the MDI of the DUT. Language also needs editorial clean up. The proposed response is aligned with accepted language in 802.3cg D3p0.

SuggestedRemedy

Change: "The test is performed with a noise source consisting of a signal generator with Gaussian distribution, bandwidth of TBD MHz and magnitude of TBD dBm/Hz."
 to: "The test is performed with a noise source such that noise with a Gaussian distribution, bandwidth of TBD MHz, and magnitude of TBD dBm/Hz is present at the MDI of the DUT."
 Editorial license to fill in the TBDs based on other comments.

Proposed Response Response Status W