

Consensus proposal for resolving even-odd jitter comments (48, 186, 189, 52, 187, 188, 127, 190)

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1. Changes to the method

Change text in 162.9.3.3 as follows:

162.9.3.3 Output jitter

Output jitter is characterized by three parameters, J_{3u} , J_{RMS} , and even-odd jitter. These parameters are calculated from measurements with a single transmit equalizer setting to compensate for the loss of the transmitter package and host channel. The equalizer setting is chosen to minimize any or all of the jitter parameters.

J_{3u} and J_{RMS} are calculated using the measurement method specified in 120D.3.1.8.1. J_{3u} is defined as the time interval that includes all but 10^{-3} of $f_j(t)$, from the 0.05th to the 99.95th percentile of $f_j(t)$.

Even-odd jitter is calculated using the measurement method specified in 120D.3.1.8.2 with the following exceptions:

- The test pattern is either PRBS13Q or alternatively PRBS9Q. PRBS9Q is defined in a similar way to PRBS13Q (see 120.5.11.2.1) except that the polynomial in Table 68–6 is used instead of the polynomial in Equation 94–3. Meeting the even-odd jitter requirement with only one pattern is sufficient.
- The corner frequency of the clock recovery unit (CRU) may be set lower than 4 MHz. Meeting the even-odd jitter requirement with only one CRU bandwidth is sufficient.

2. Match C2C method to CR/KR

In 120F.3.1.3, change the cross-reference for EOJ measurement from 120D.3.1.8.2 to [162.9.3.3](#)

3. Change the limits

In Table 162–10, Table 163–5, and Table 120F–1, change the value for “Even-odd jitter, pk-pk” from 0.019 to 0.025.

Straw poll (decision)

I support resolving comments 48, 186, 189, 52, 187, 188, 127, 190 with the proposed changes in slides 3-5 of ran_3ck_04_1020

1. Yes
2. No