

J2 and J4 definition (resolution to comment 44)

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jpk

Comment 44

- Comment
 - It is not clear how J2 and J4 are measured
 - Suggested Remedy
 - Need to define reference receiver bandwidth suggest BW=18 GHz and suggest OMA sensitivity of -5.6 dBm
 - Response
 - ACCEPT IN PRINCIPLE
 - Give editor license to add sub-section to 9.8 to define or reference J2 and J4, following the format of clause 86.
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- Notes: J2 and J4 only show up in the SRS test; allowed patterns for the SRS test are given in the exceptions listed in the SRS test section.
 - Proposal is to add J2 and J4 definitions as a sub-section 95.8.8.1 immediately after the SRS test section (95.8.8)

Draft text for J2 and J4 definitions

95.8.8.1 J2 and J4 Jitter

J2 Jitter is defined as the time interval that includes all but 10^{-2} of the jitter distribution, which is the time interval from the 0.5th to the 99.5th percentile of the jitter histogram. If measured using an oscilloscope, the histogram should include at least 10 000 hits, and should be taken over about 1% of the signal amplitude. If measured by plotting BER vs. decision time, J2 is the time interval between the two points with a BER of 2.5×10^{-3} .

J4 Jitter is defined as the time interval that includes all but 10^{-4} of the jitter distribution. If measured using an oscilloscope, the histogram should include at least 1 000 000 hits, and should be taken over about 1% of the signal amplitude. If measured by plotting BER vs. decision time, J4 is the time interval between the two points with a BER of 2.5×10^{-5} .

Note: Add a pointer from 95.8.8 ... ' as defined in 95.8.8.1'