XAUI Jitter Tolerance Mask Proposal

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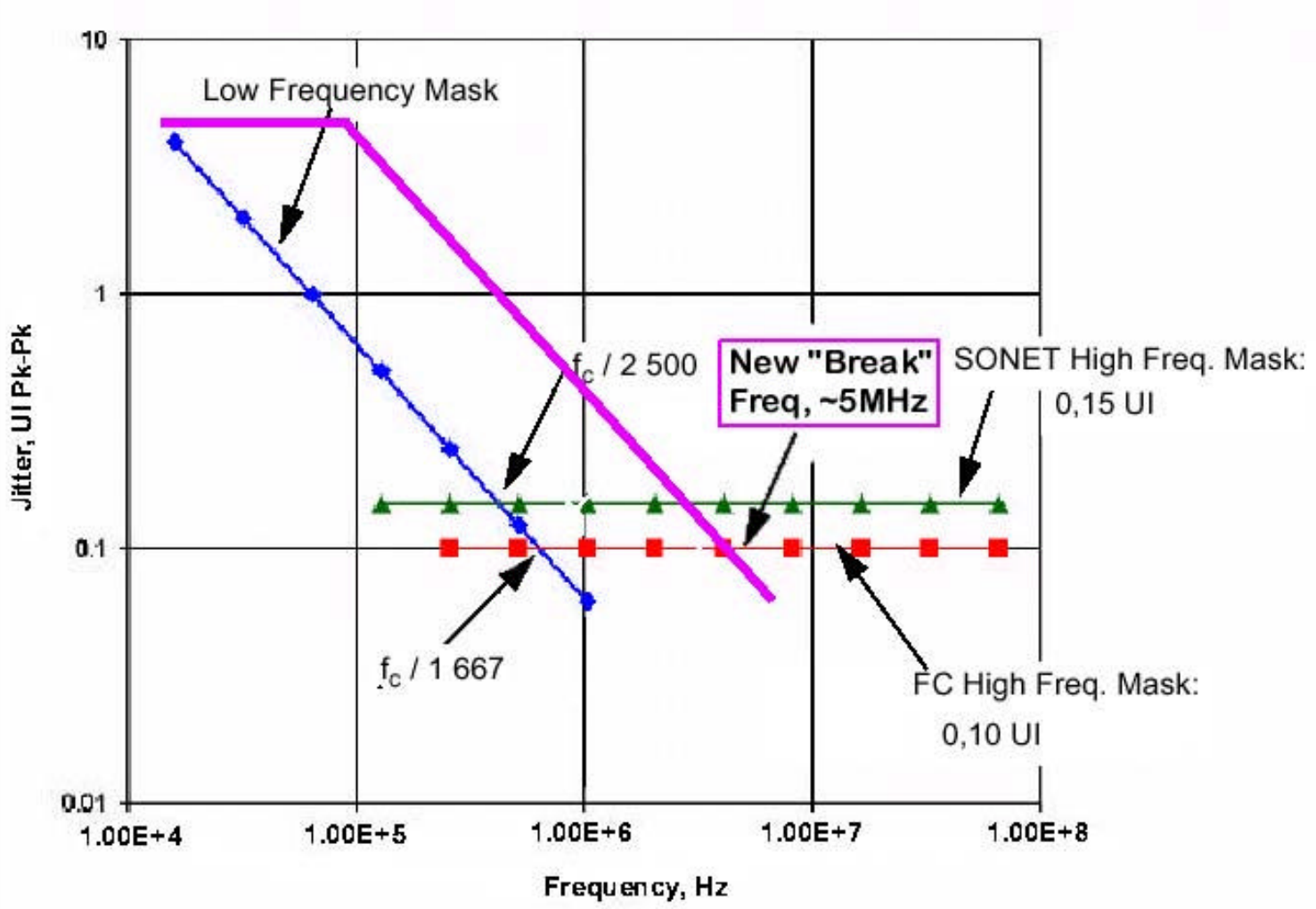
Receiver Jitter Tolerance Mask



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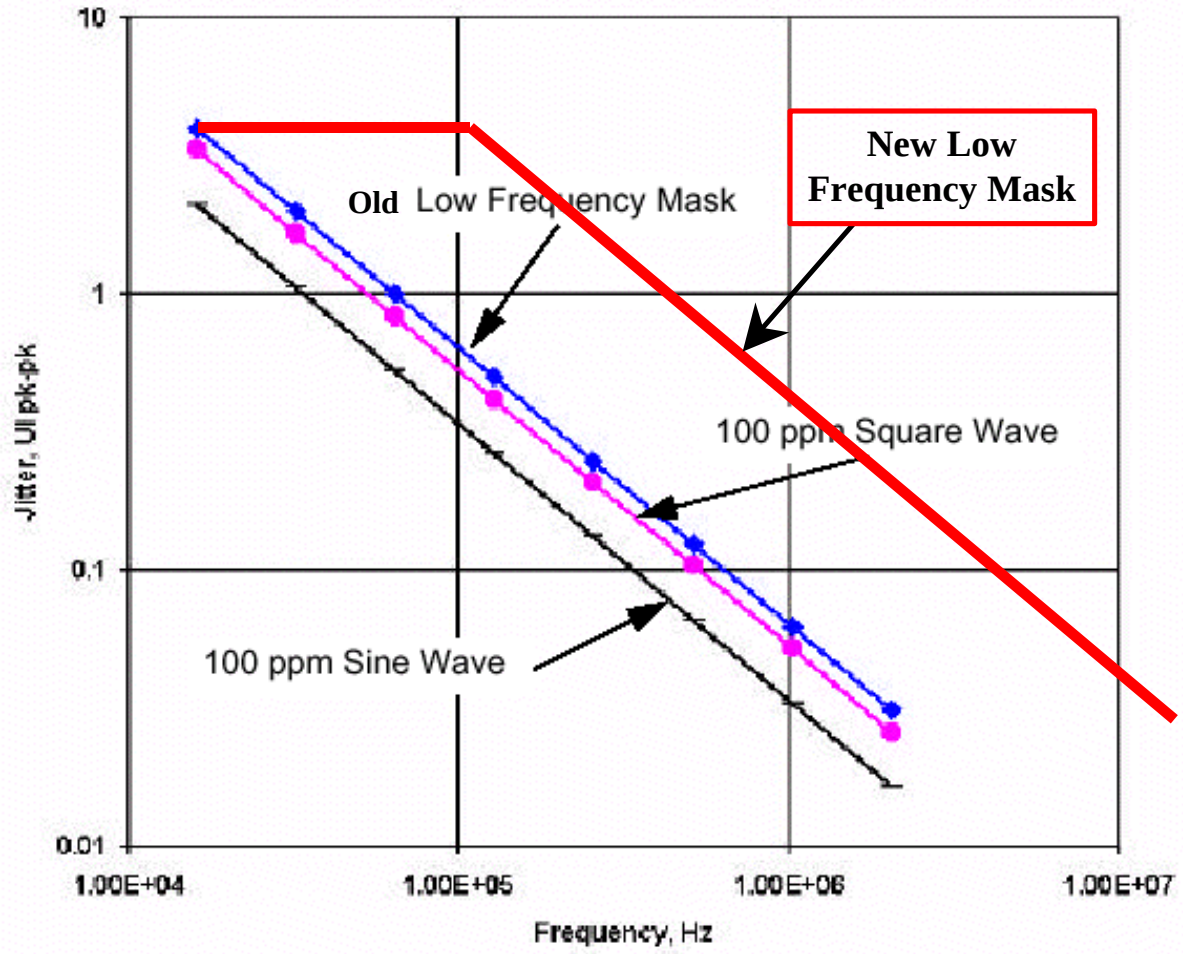
Comparison of Low Frequency Clock Jitter and Tolerance Mask



Reasons for Change

- Old Sonet standard based on outdated SAW filter technology.
- Current systems employ CDRs with several times higher bandwidth than that specified by old Sonet standard.
  - Current systems work perfectly using new higher bandwidth CDRs. (No max limit in any spec today)
- Update the standard to reflect changes in technology.
  - Higher bandwidth will allow the use of smaller capacitors in CDR designs ➔ higher level of integration

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