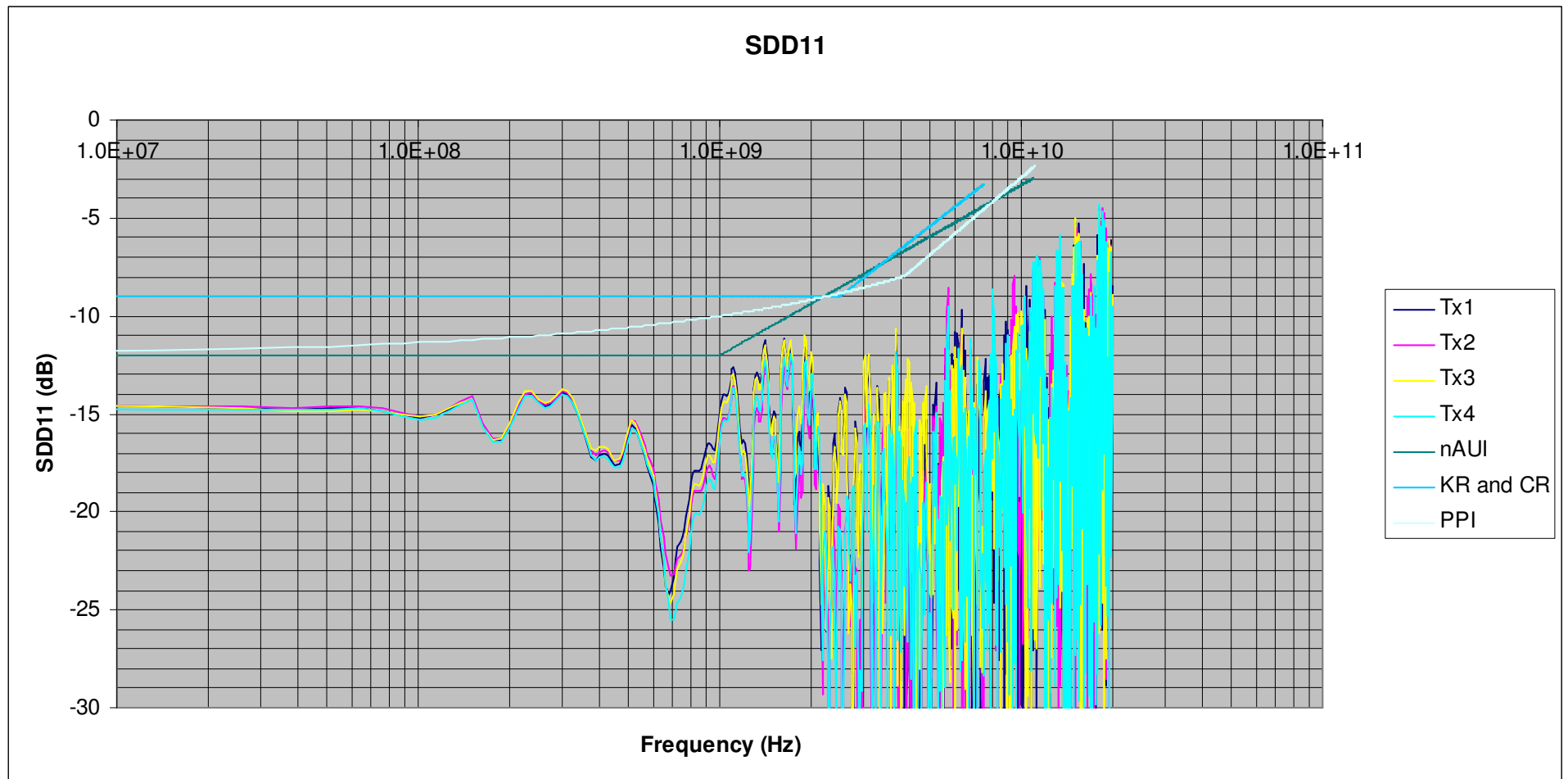


Return loss options

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Measured QSFP return loss data



nAUI return loss

- nAUI module input/output, host input/output SDD11:
 - $-12, 0.01 \text{ GHz} < f < 1.0 \text{ GHz}$
 - $-5.56 + 8.7 \times \log_{10}(f / 5.5),$
 - $1.0 \text{ GHz} < f < 11.1 \text{ GHz}$
 - where f is the frequency in GHz

PPI return loss

- SDD11/SDD22 for PPI host input/output and PPI module input/output:
 - $20 \times \log_{10}(|SDD_{ii}|) \leq -12 + 2 \times \sqrt{f}$ $0.01 \leq f \leq 4.11$
 - $\leq -6.3 + 13 \times \log_{10}(f/5.5)$ $4.11 \leq f \leq 11.1$

CR return loss

- Equation 72-4, 72-5 (specified at TP1/5):
- >9 dB for $f = 50\text{MHz}$ to 2.5GHz
- $>9 - 12\log(f/2500\text{MHz})$ for $f = 2.5$ to 7.5GHz

SDD11 graphs

