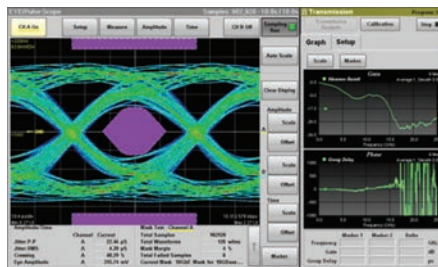
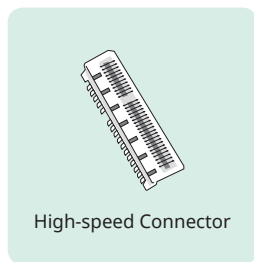


Evaluation Transmission Characteristics of over Gbps Connectors/Cables

BERTWave MP2100B

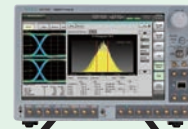


Using S-parameters to check transmission quality of narrow-pitch connectors and high-speed cables requires waveform Eye Margin and BER measurements.



Evaluation by One Set is Possible

- ✓ Eye pattern measurement
- ✓ Eye mask test
- ✓ Differential IF



Jitter Analysis Software

- ✓ Bathtub
- ✓ TJ, DJ, RJ, DDJ etc

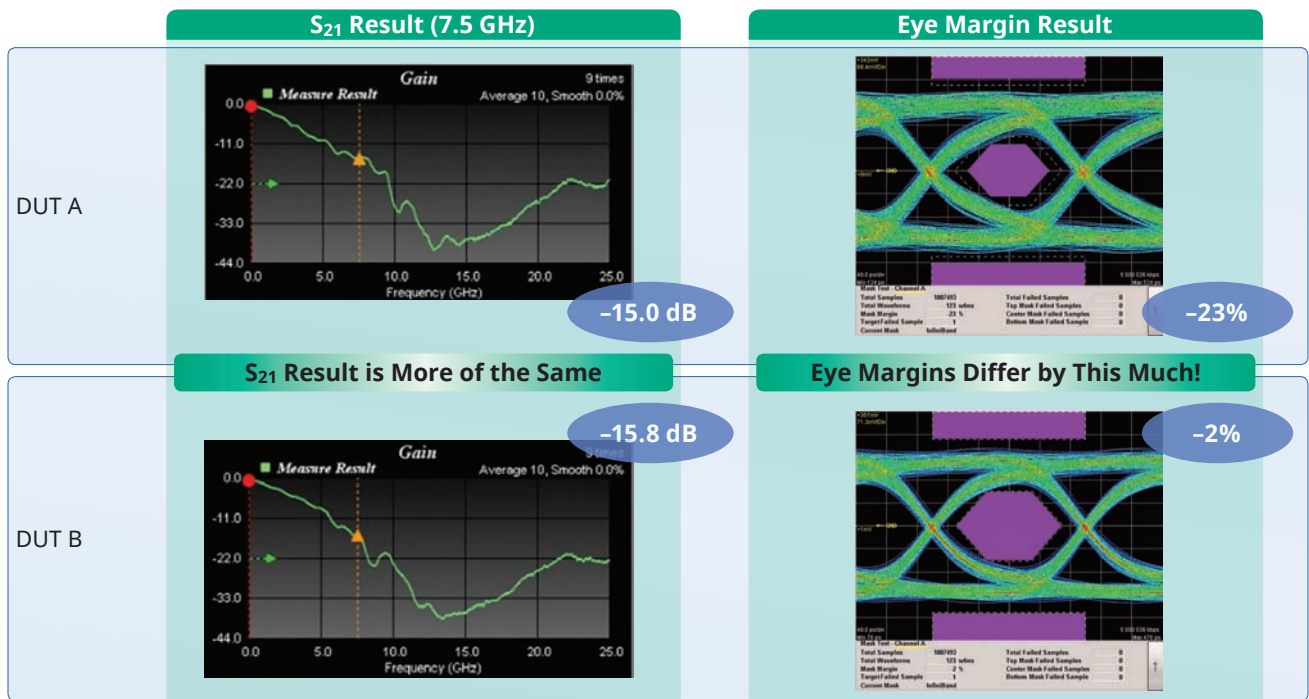
Transmission Analysis Software

- ✓ S₂₁ (Gain, Phase)
- ✓ Waveform simulation
- ✓ Equalizer, Emphasis

Sometimes, Eye Margin differs for similar S-parameter values. Therefore, checking transmission path quality just by evaluating the S-parameter may not provide sufficient Eye Margin after the transmission path. Consequently, Eye Margin and BER measurements using waveforms are required.

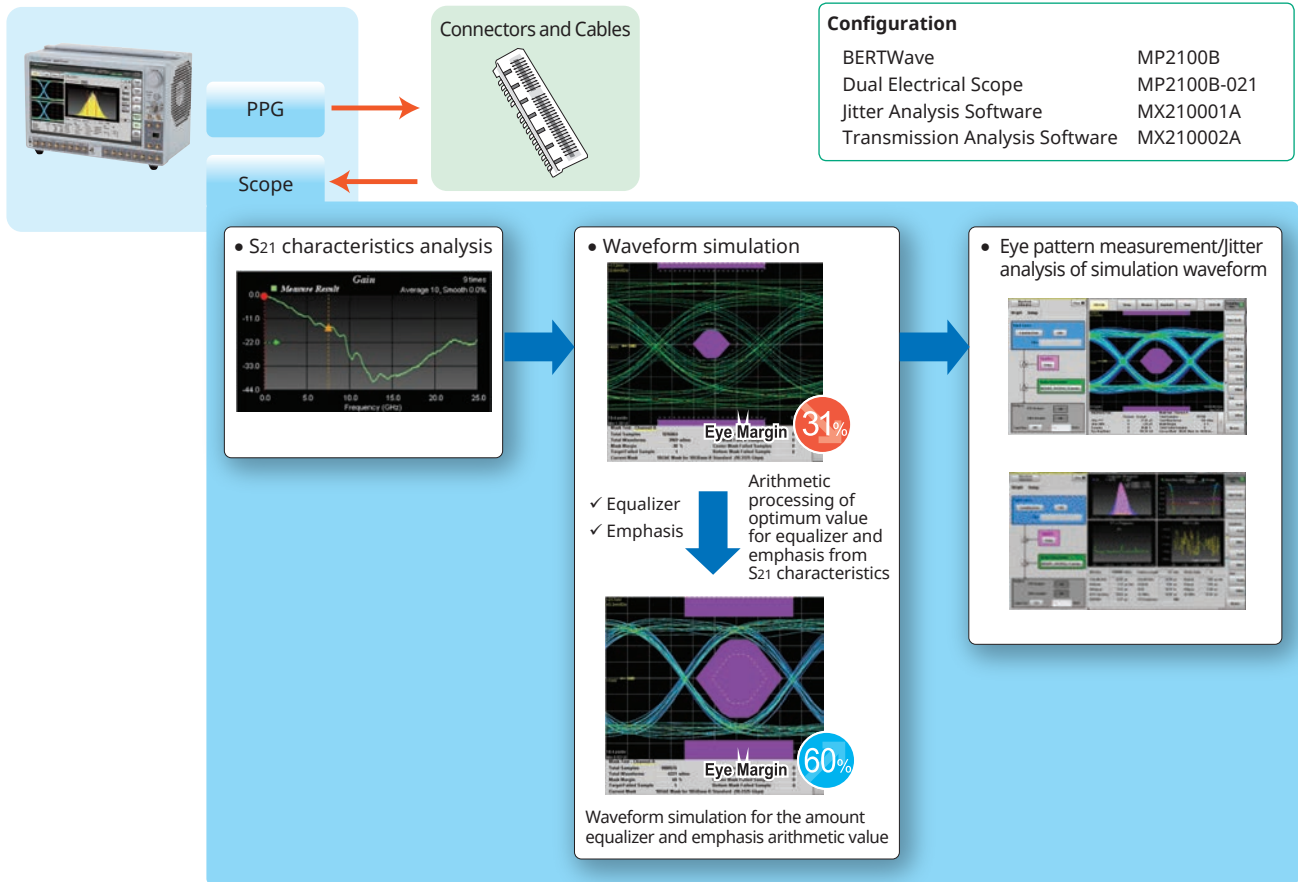
The BERTWave MP2100B supports signal source (PPG), sampling oscilloscope, and BER measurement functions.

Installing the Transmission Analysis Software MX210002A in the all-in-one MP2100B makes waveform, Eye Margin, BER and S₂₁ measurements simple and fast.



Evaluating Characteristic of Connectors/Cables Solution

Using the Transmission Analysis Software MX210002A in the MP2100B simulates 4-tap emphasis and equalizer waveforms after the DUT.



Emphasis Effect Simulation

Using the 4Tap Emphasis MP1825B supports actual measurement evaluation of waveform simulation results using emphasis signals to reduce R&D times.

MP2100B + MX210002A

