OFC 2020

Portable 400G Transport Testing
Network Master Pro 400G MT1040A

Anritsu
envision : ensure

400G Testing AND Beyond

Anritsu MT1040A Network Master Pro 400G Transport Tester

- The world's smallest portable all-in-one dual-port 400G Analyzer
- 2-port simultaneous 400G Ethernet transport & FEC measurements
- Support 400G BASE-LR4, FR4, DR4, SR8 & ZR

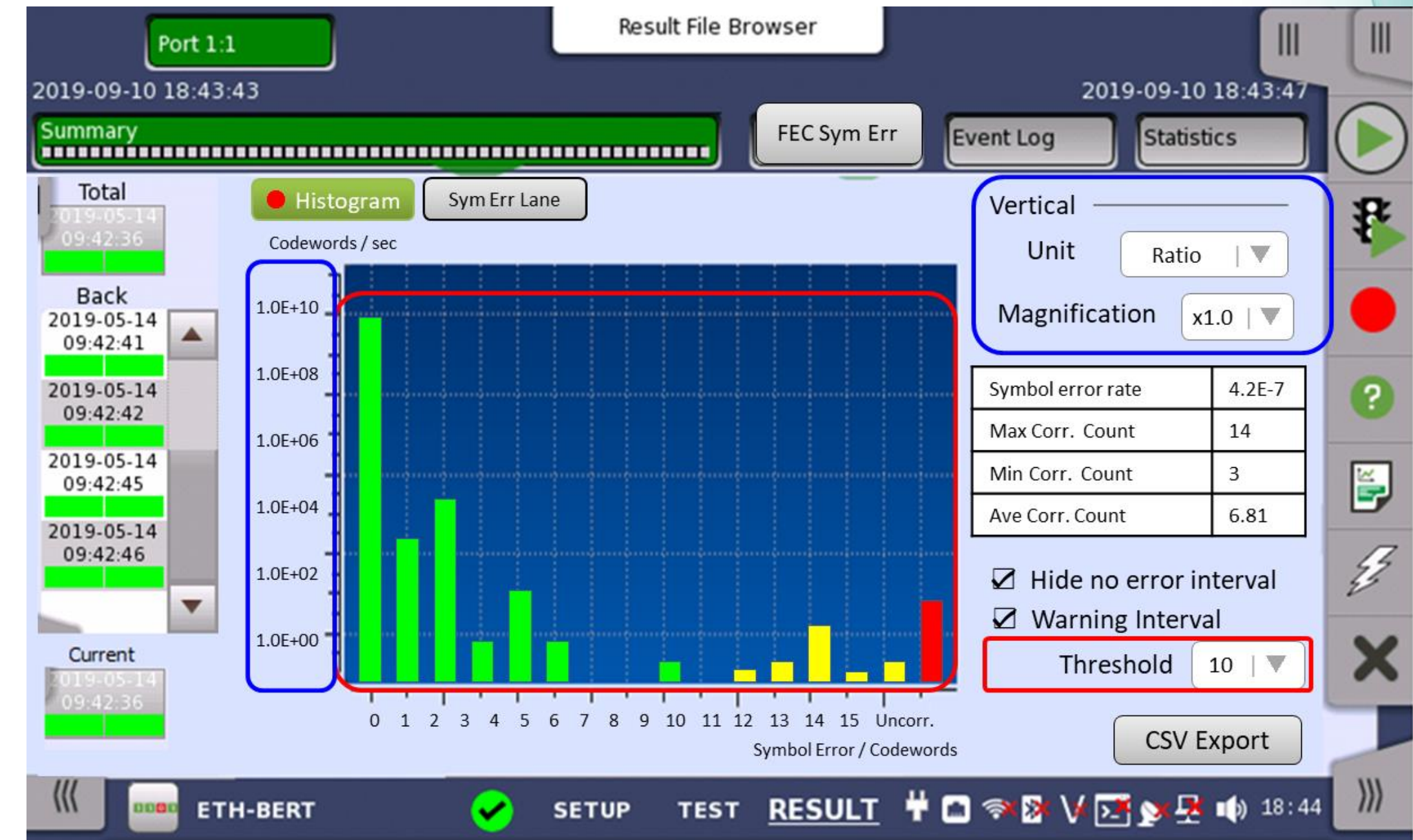| Module Types	QSFP-DD	OSFP	QSFP28/QSFP+	SFP28/SFP+/SFP	RJ45
MU104014A	x1		x2	x2	x2
MU104015A		x1	x1	x2	x2

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Anritsu MT1040A 400GE Simple FEC & FER Analysis

- Anritsu MT1040A verifies FEC correction rate

- Simple analysis of 400GE optical communication signal quality

- Additional 400GE tests completed are:

  – **Frame BER** measurement

  – **Frame Latency** measurement
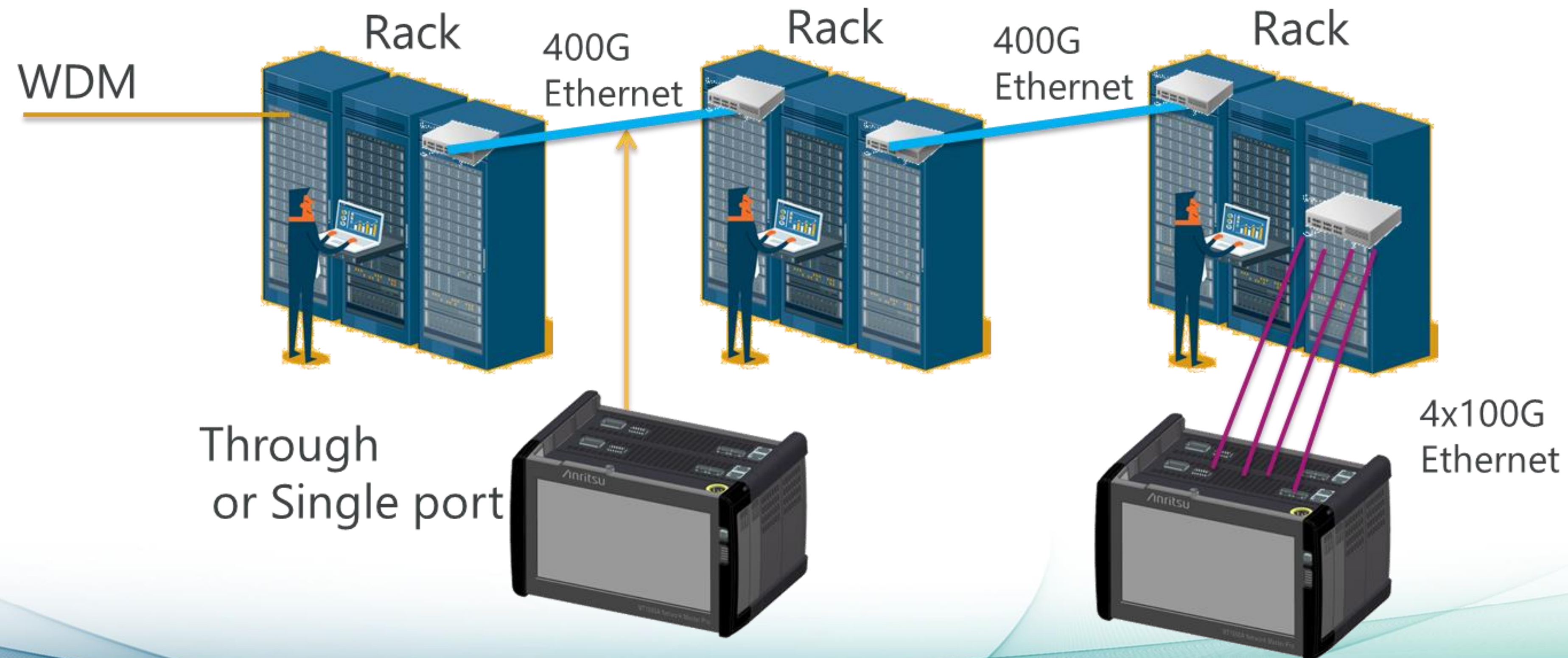
  – **Frame Throughput** measurement

400G FEC Real-time Analysis

- Viewing the FEC correction rate in Real-time enables a simple check of optical transceiver, AOC & DAC communication signal quality

- Displays the distribution of Symbol Errors per Code word in a Histogram table format

- Simultaneous display of Min/Max/Avg corrected Codewords per second and IEEE Frame Error Ratio.

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400G <-> 4x100G Breakout Cable Test

- Supports 4x100G Ethernet measurement in DCs' rack to rack links
- Monitoring between racks by Through mode, checking communication between 400G – 4 x 100G

400G Layer 1 Device Testing

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Supports Framed 400G Ethernet with FEC and No frame BER test
QSFP-DD & OSFP cables mounted directly,
simple performance checks and pass/fail judgments with arbitrary thresholds can be provided.

Optical loopback test

Frame loss, Frame loss ratio measurement
FEC Corrected Symbol Error distribution analysis
FEC Corrected Symbol error rate measurement
MDIO/I2C analysis
No Frame (PRBS) pattern BER test

DAC/AOC Back to Back test
Made easy by **400G Dual Port in one single chassis**

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