Bench Marking of Y1731
Performance Monitoring
draft-jacpra-bmwg-pmtest-00

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Agenda

• This draft is proposed for benchmarking the Y1731 performance monitoring on DUT in various scenarios
Topology

- R1
- Core router
- DUT

Traffic generator

Traffic Generator

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Benchmarking of Loss Measurement

• Calculation of Near, Far end loss in colored and colorless loss measurement
• Impairment
• RE Failover
• Soak
Measurement - Near end loss in colorless and colored loss measurement.

• Colorless mode counts all data packets for Loss measurement whereas colored mode counts only in-profile (Green) packets for Loss.

• Measure the near end loss and far end loss is showing “x” when x packets are dropped in Tx and Rx path of DUT.

• Measure the near end loss and far end loss is showing 0 loss when x packets are dropped in Tx and Rx path of DUT which are out profile when loss measurement is working in colored mode.
Measurement – Impairment

• Measure the behavior of PM when dropping LMM/LMR pack using impairment tools.
Measurement – Routing Engine Failover(HA)

• Measure the loss measurement statics should not reset during RE failover. Packet must be counted during the failover time.
• There should not be any loss reported.
• Statistics should not reset.
Measurement- SOAK

- Measure the PM statistics after running the DUT for 12hrs with traffic.
- No Core or Memory leak
• Thank you for the support