
Determining how much bandwidth to allow 802.1Qat/SRP to reserve on an 802.11 link

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Abstract

This presentation describes the current 802.1BA algorithm for determining the Maximum Reservable Bandwidth (MaxRes) over variable data rate links

Current behavior of MaxRes for Variable Rate LANs

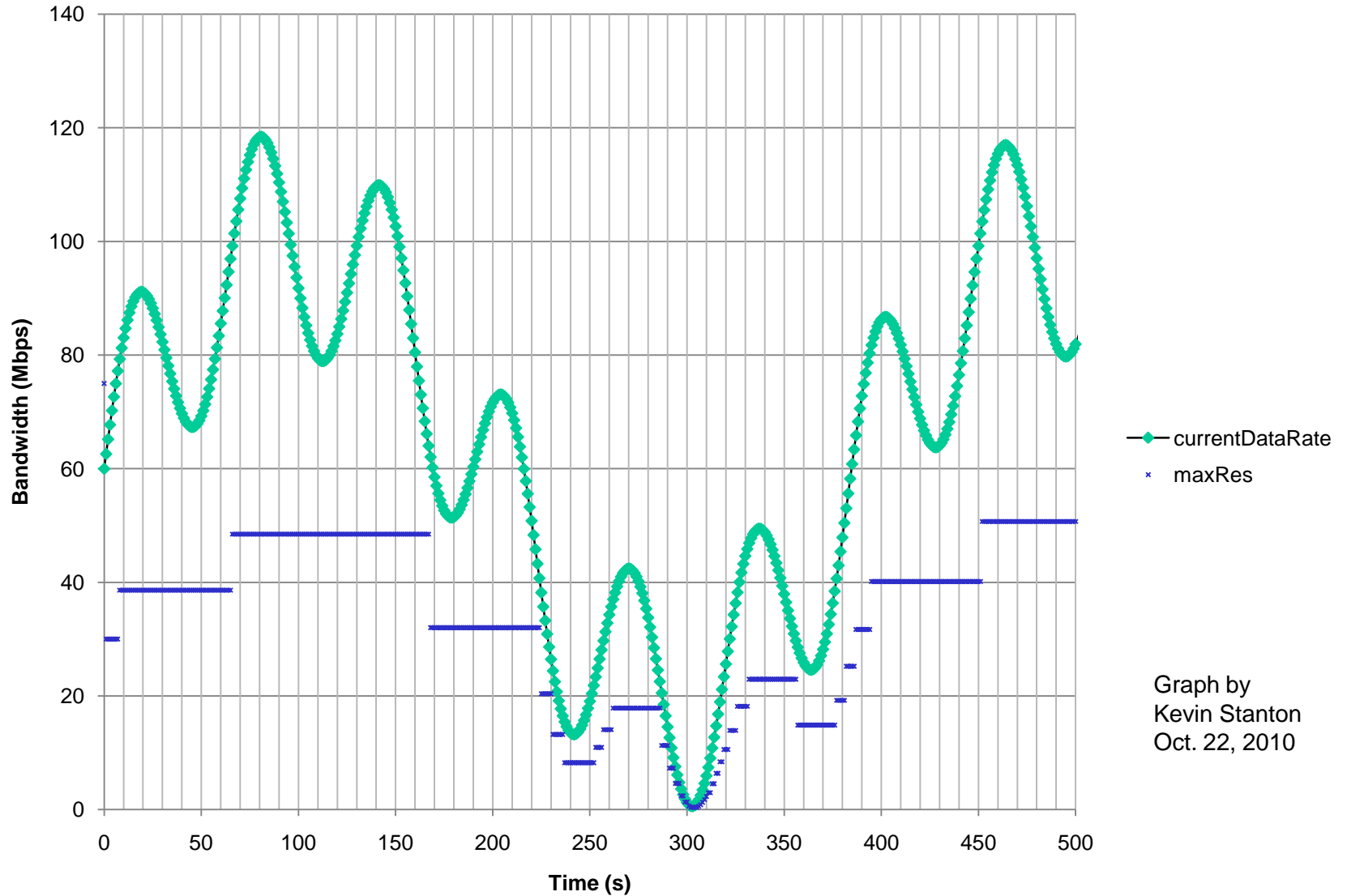
The initial value of maxRes when the Port becomes operable is set to 50% of the maximum data rate of the attached LAN.

If at any time the value of maxRes is greater than 75% of the current data rate of the attached LAN, then maxRes is set to 50% of the current data rate, and MSRP re-calculates which streams can be accommodated within the reduced bandwidth.

If at any time the value of maxRes is less than 40% of the current data rate of the attached LAN, then maxRes is set to 50% of the current data rate, and MSRP re-calculates which streams can be accommodated within the increased bandwidth."

Example MaxRes scenario

MaxRes as a function of currentDataRate



Graph by
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