9. Abilene Premium Service Building Block Regression Test

Case BB.A: Car Validation Test.

BB.A6. Test Results.

Step BB.A.4.2.0:

```
semtec#sh int p5/3 rate
POS5/3
  Input
    matches: dscp 46
      params:  20000000 bps, 3750000 limit, 7500000 extended limit
      conformed 5067566 packets, 577702524 bytes; action: transmit
      exceeded 0 packets, 0 bytes; action: drop
      last packet: 2996ms ago, current burst: 4674 bytes
      last cleared 00:05:30 ago, conformed 13980000 bps, exceeded 0 bps


Smartbits Output:
```

	Frame					
Name	Size	Load (%)	Sent	Received	Lost	Loss (%)
Total		20	15202698	15202698	0	0
B Group		20	15202698	15202698	0	0
A 1->2	128	20	2533783	2533783	0	0
A 2->3	128	20	2533783	2533783	0	0
A 3->1	128	20	2533783	2533783	0	0
A 1->3	128	20	2533783	2533783	0	0
A 2->1	128	20	2533783	2533783	0	0
A 3->2	128	20	2533783	2533783	0	0

Observation:

We can pass 15 Mbps of premium (EF) traffic across Link L1 without loss. This is well within the specified parameter.

Comments:

We tested CAR using the current Abilene burst size of 5000. At that level there was significant drop well before the committed access rate was achieved. We deemed it necessary to use the formula put forth in section BB.A4 in order to not skew the test results. Using the formula in section BB.A4 we could demonstrate a predictable CAR behavior.