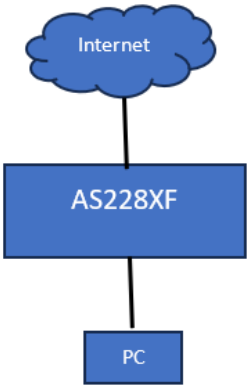
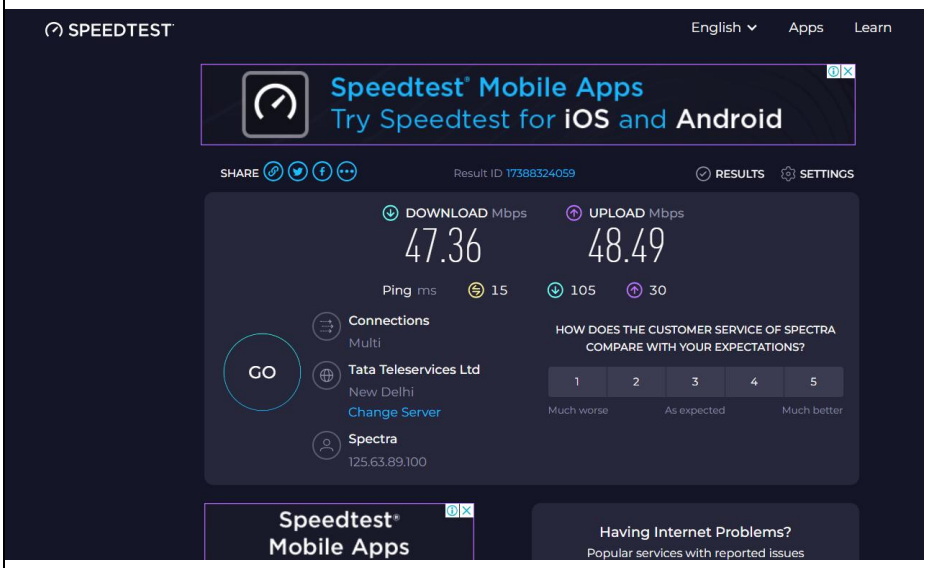
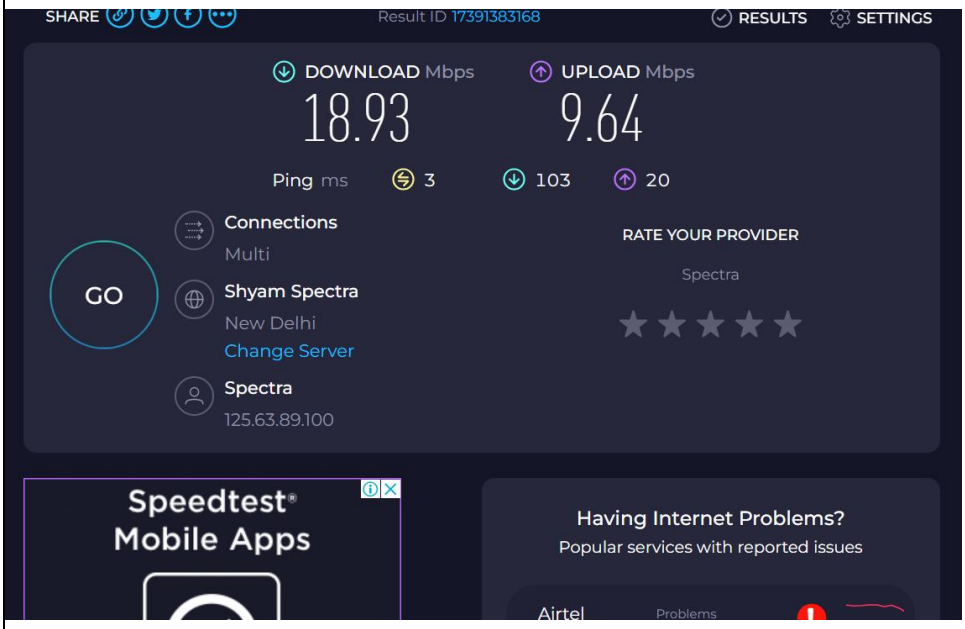
Alpha Bridge® Technologies

QoS
Test Report

QOS rate limit and policy based

Test	QOS rate limit and policy based in AS200/28/XF v139318
Test procedure	
configuration	***Configuration for ratelimit:*** interface GigaEthernet0/1 switchport pvid 200 ! interface GigaEthernet0/6 switchport pvid 200 switchport rate-limit 156 ingress //Upload speed limited to 10Mbps switchport rate-limit 312 egress //Download speed limited to 20Mbps ! ***Configuration for QOS policy based:*** policy-map QOS_policy_based *// creating the QOS policy named as "QOS_policy_based"* classify seq 1 any *//adding the policy rules in the QOS* action seq 1 cir 100 bc 1024 pir 100 be 1024 confirm forward exceed discardable yellow violate drop tcm-end *//adding the policy rules in the QOS* interface GigaEthernet0/1 switchport pvid 200

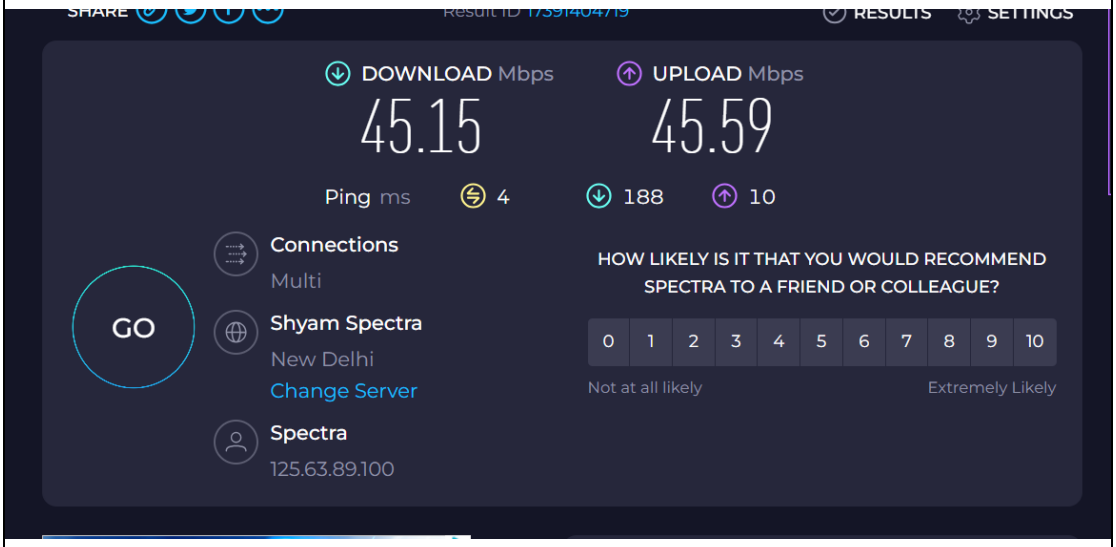
	qos policy QOS_policy_based ingress *// applying QOS policy on interface*
test result	***Results for Rate limit:*** Before configuring ratelimit on port  After configuring Rate-limit on port  Note : in rate-limit 1 = 64 kbps We given 156 in ingress = 64kbps * 156 = 9.75 mb

312 in egress = 64kbps * 312 = 19.5 Mb

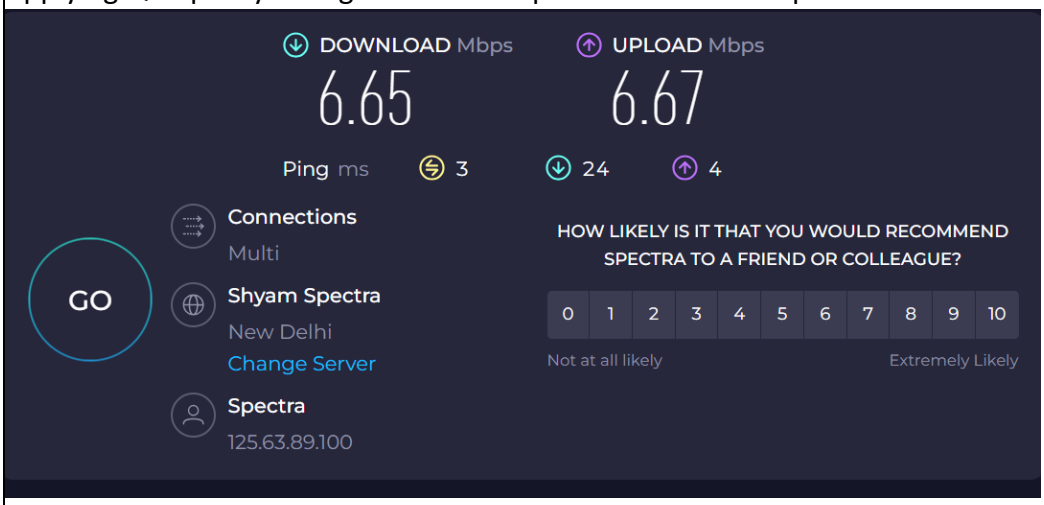
The speed we get after the rate-limit applied on port is approximately equal to calculated values.

Results for QOS policy based:

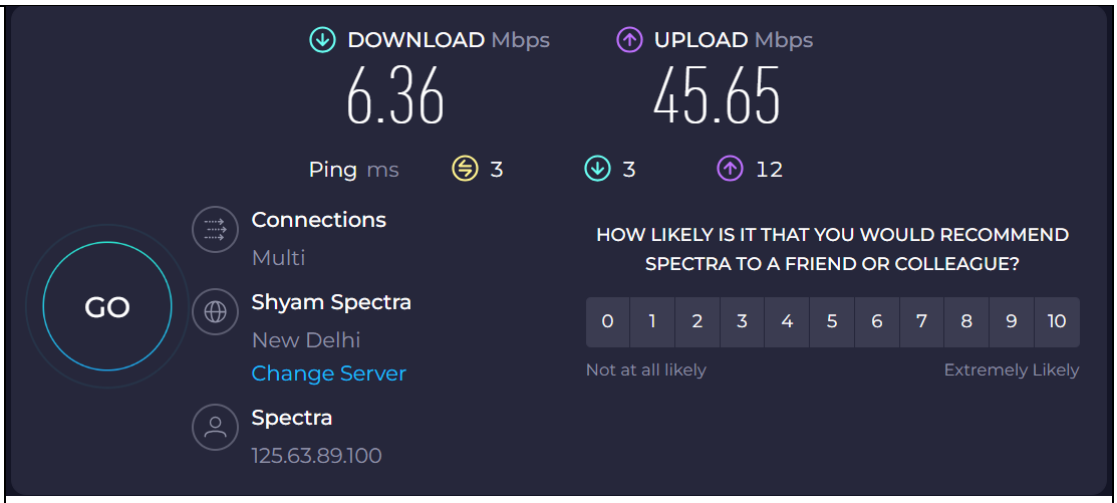
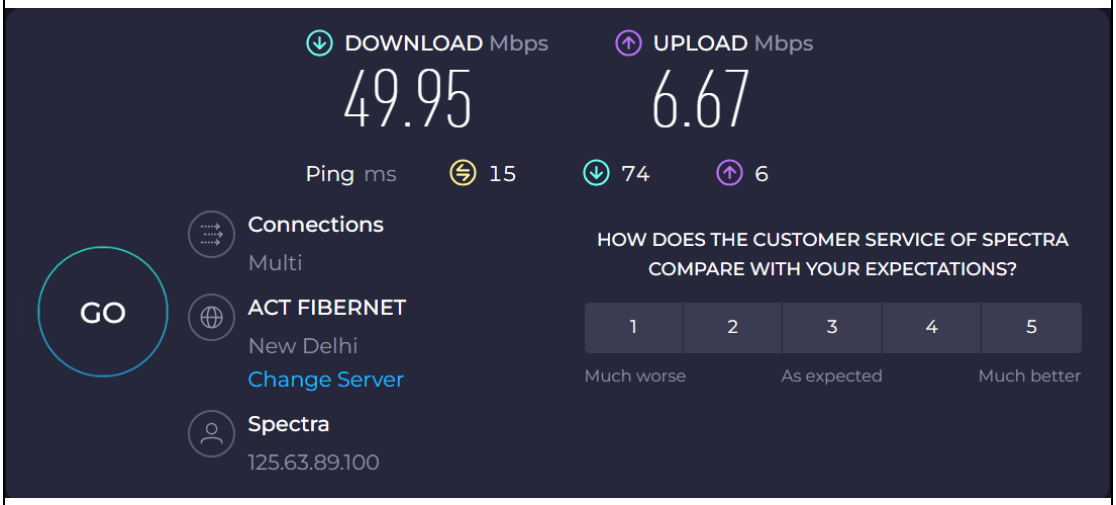
Before applying the qos on ports



Applying QOS policy on ingress of both uplink and downlink ports



Applying QOS policy on ingress of uplink port

	 Applying QOS policy on ingress of downlink port 
Remarks	Rate-limit is applied on the interfaces using QoS policy