Video Streaming

2021-08-30-05-25-20

Objective

This test is designed to measure video streaming quality of experience on connected stations over a 2.4Ghz and 5Ghz Wi-Fi bands by calculating initial buffer timers for the individual stations

Test Setup Information

Device Under Test	AP Name	WAC505
	SSID	Student_scale
	No.of stations	40
	Buffer interval	10
	File size	30MB
	Expected stalls	5
	Total Test Duration	0:05:34

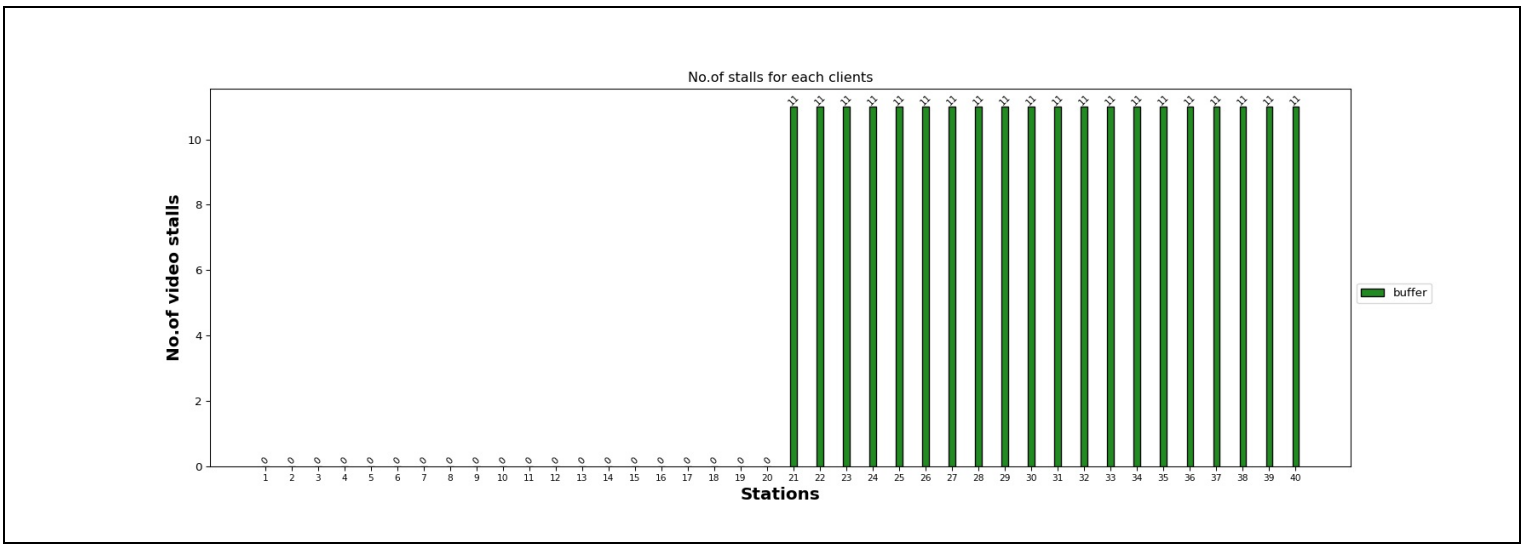
Pass/Fail Criteria

This table briefs about overall Pass/Fail criteria of stations where the no.of video stalls of 40 stations should be less than or equal to expected stall 5 then it is considered to be as a Pass. If one or more stations got video stall greater than the expected stall 5 then it is considered to be a Fail

No.of stations	Mode-speed	Pass/Fail	Info	Description
40	5G+2.4G - HD 1080p(5 Mbps)	Fail	Station Fail : 20	One or more stations got buffer greater than expected stalls

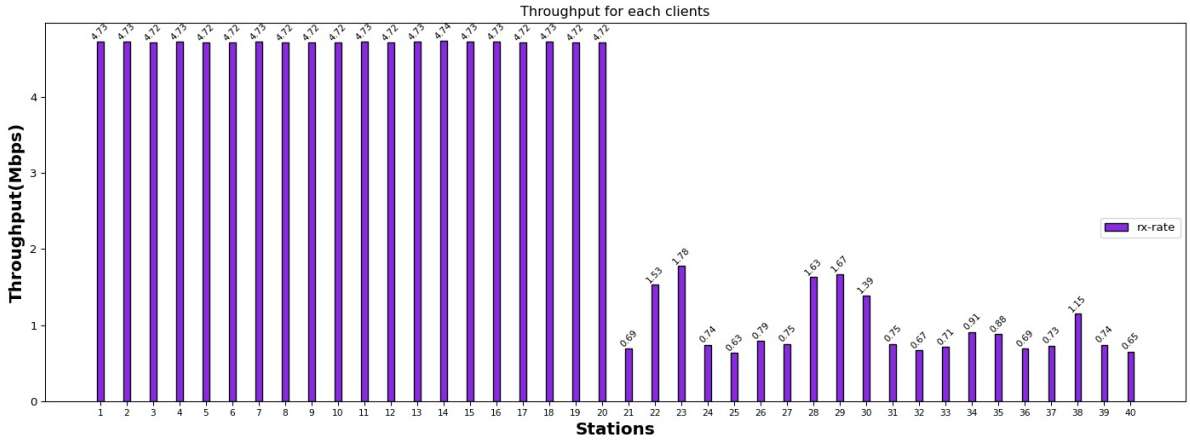
5G+2.4G-Stations Emulation rate HD 1080p(5 Mbps) per Station

The below graph explains, how many stalls the individual station is experiencing when the traffic is running for 2 minutes with expected stalls and threshold is 5 and 70% per station respectively. The X-axis represents the number of stations, Y-axis represents stall count.



Throughput for 5G+2.4G-Stations of speed HD 1080p(5 Mbps) per Station

The below graph shows the number of connected stations on the X-axis and the average throughput of each station on the Y-axis, with a traffic duration of 2 minutes when the threshold is 70%



Input Setup Information

Information	Contact	support@candelatech.com