# Video Streaming Test

2025-09-04-21:58:42
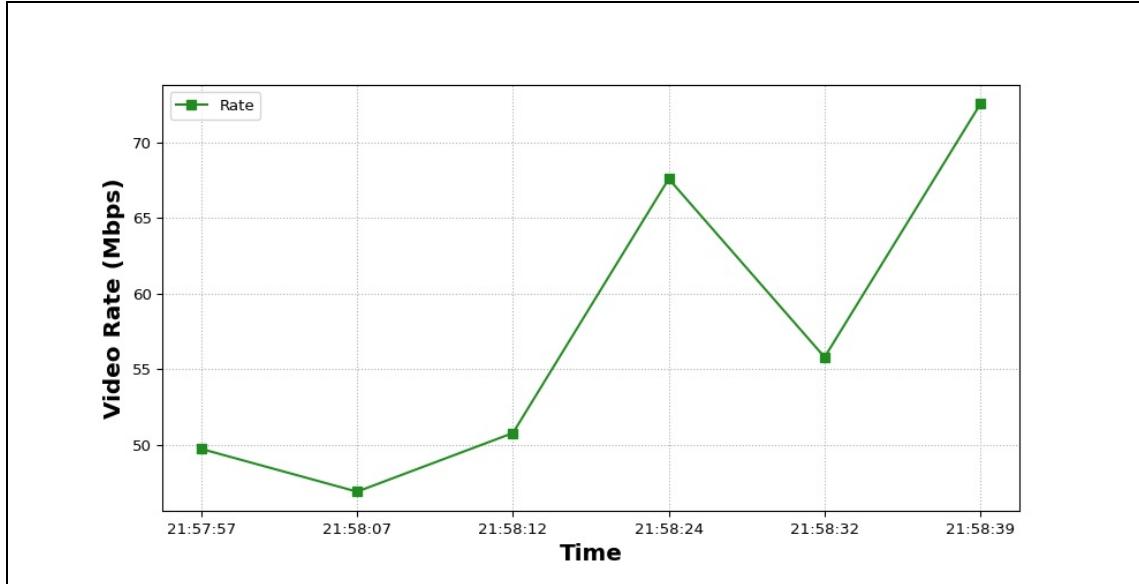
Objective

The Candela Video streaming test is designed to measure the access point performance and stability by streaming the videos from the local browseror from over the Internet in real clients like android which are connected to the access point,this test allows the user to choose the options like video link, type of media source, media quality, number of playbacks.Along with the performance other measurements like No of Buffers, Wait-Time, per client Video Bitrate, Video Quality, and more. The expected behavior is for the DUT to be able to handle several stations (within the limitations of the AP specs)and make sure all capable clients can browse the video.
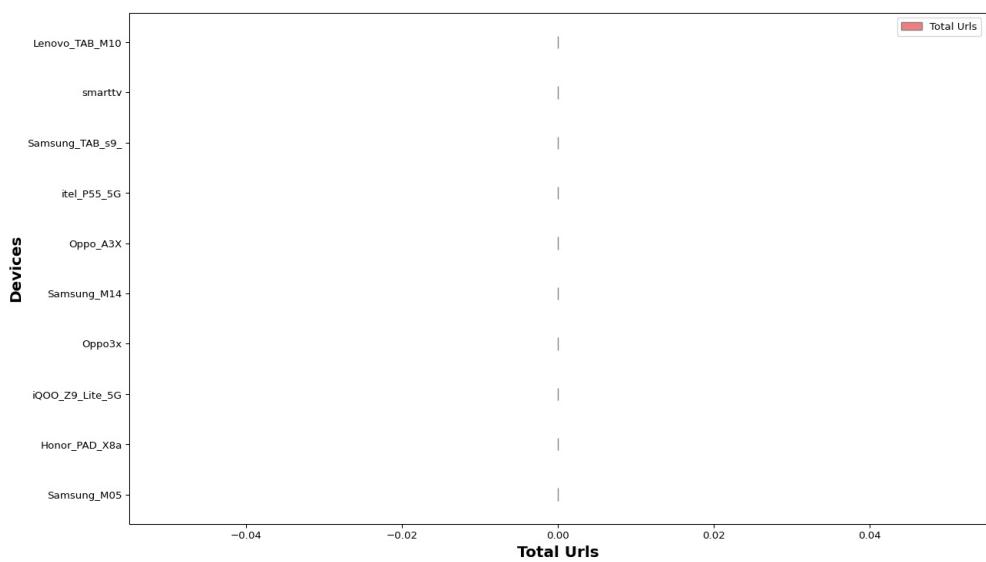
Input Parameters

Test Setup Information	Testname	video_streaming_test
	Device List	Samsung_M05 (Android),Honor_PAD_X8a (Android),iQOO_Z9_Lite_5G (Android),Oppo3x (Android),Samsung_M14 (Android),Oppo_A3X (Android),itel_P55_5G (Android),Samsung_TAB_s9_ (Android),smarttv (Android),Lenovo_TAB_M10 (Android)
	No of Devices	Total(10): Android(10)
	Incremental Values	10
	URL	https://dash.akamaized.net/akamai/bbb_30fps/bbb_30fps.mpd
	Media Source	DASH
	Media Quality	4k
	Total Duration (min)	1
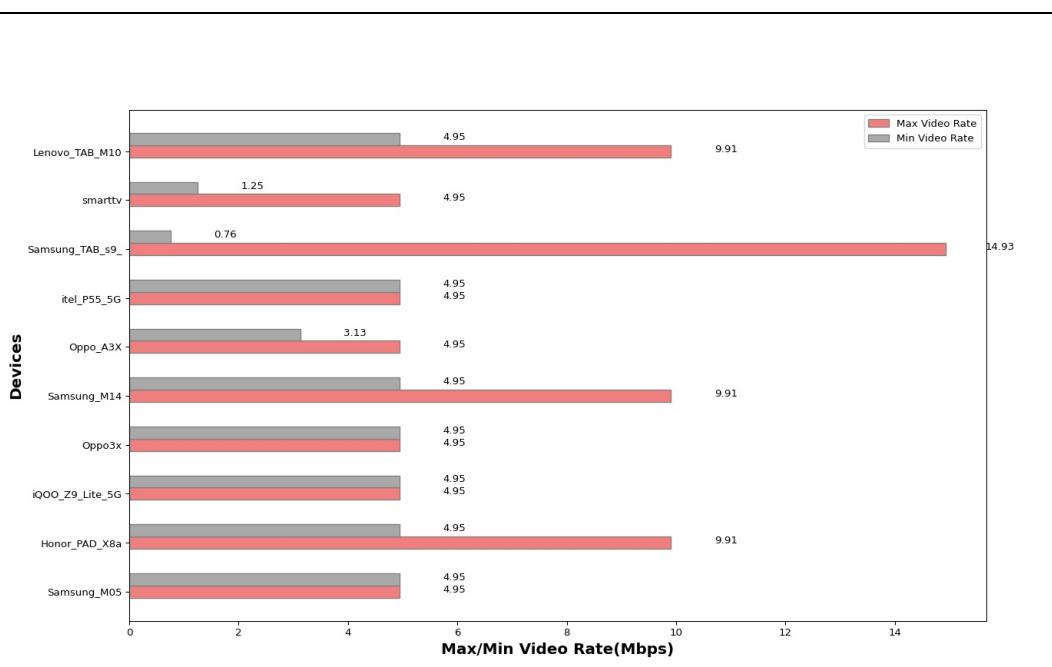
Realtime Video Rate: Number of devices running: 10
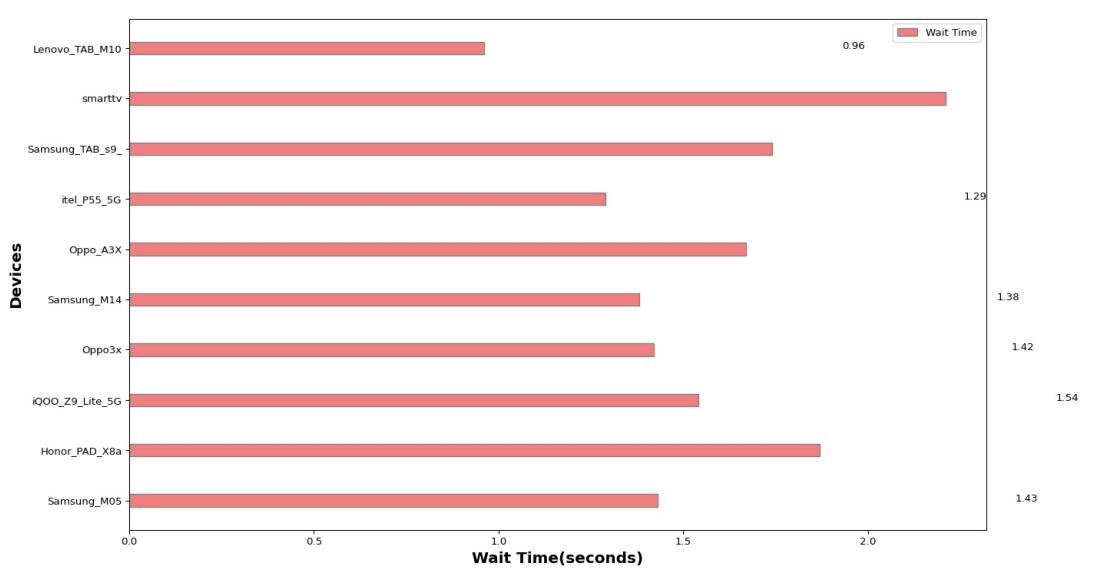
Total Urls Per Device

Max/Min Video Rate Per Device

Max/Min Video Rate Per Device

| Device	Max Video Rate	Min Video Rate
Lenovo_TAB_M10	9.91	4.95
smarttv	4.95	1.25
Samsung_TAB_s9_	14.93	0.76
itel_P55_5G	4.95	4.95
Oppo_A3X	4.95	3.13
Samsung_M14	9.91	4.95
Oppo3x	4.95	4.95
iQOO_Z9_Lite_5G	4.95	4.95
Honor_PAD_X8a	9.91	4.95
Samsung_M05	4.95	4.95
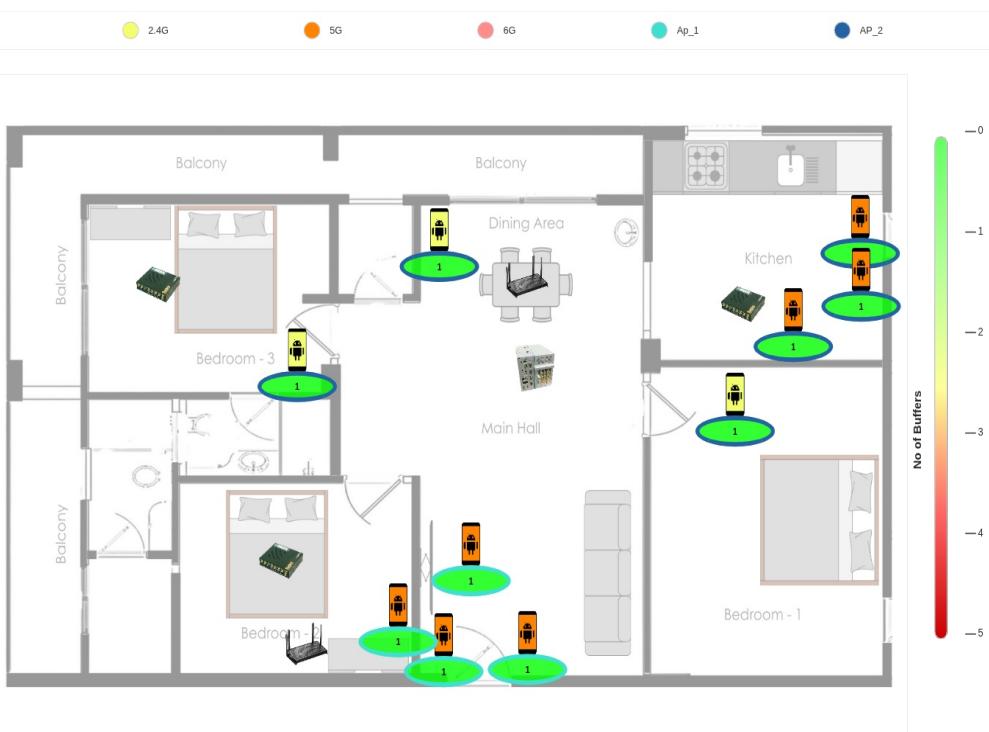
Wait Time Per Device

No of Buffers and Wait Time %
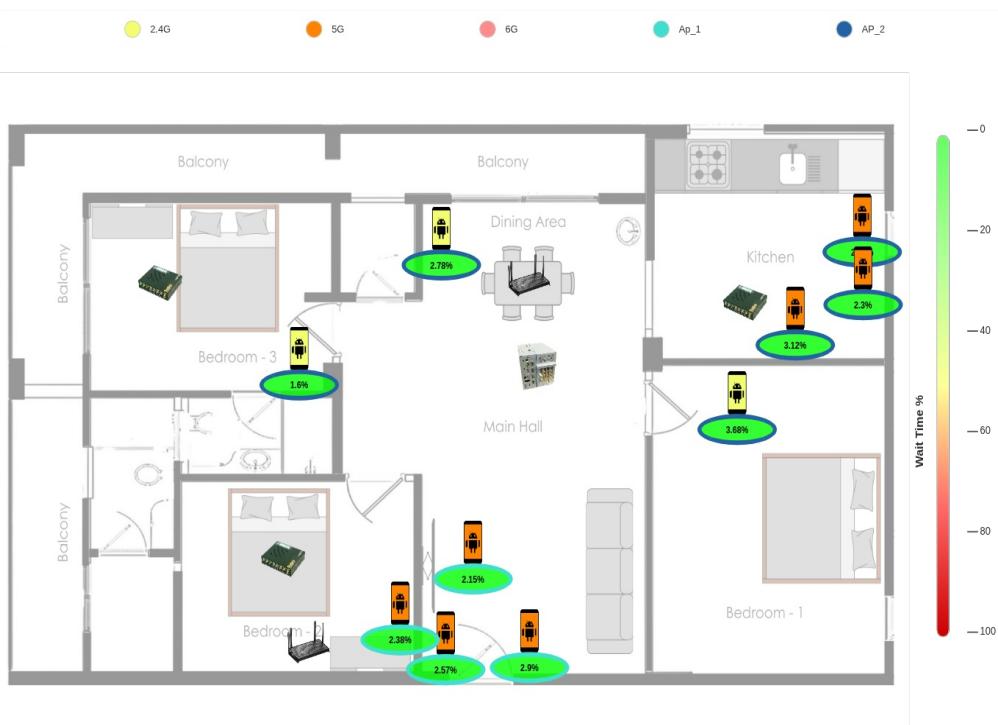
No of Buffers

floor_1

Wait Time (%)

floor_1

Overall - Detailed Result Table

The below tables provides detailed information for the Video Streaming test.

DEVICE TYPE	Username	SSID	MAC	Channel	Mode	Buffers	Wait-Time(Sec)	Min Video Rate(Mbps)	Avg Video Rate(Mbps)	Max Video Rate(Mbps)	Total URLs	Total Errors	RSSI (dbm)	Link Speed	Bytes Read (bytes)	Average Rx Rate (Mbps)
Android	Samsung_M05	Testhouse	22:61:45:ff:1d:d3	100	802.11abgn-AC 80	1	1.43	4.95	4.95	4.95	0	0	-57 dbm	390 Mbps	52614844	8.38
Android	Honor_PAD_X8a	Testhouse	de:f8:f7:eb:ad:44	100	802.11abgn-AC 80	1	1.87	4.95	9.29	9.91	0	0	-31 dbm	433 Mbps	94055747	14.28
Android	iQOO_Z9_Lite_5G	Testhouse	ee:e2:95:b0:74:43	100	802.11abgn-AC 80	1	1.54	4.95	4.95	4.95	0	0	-59 dbm	351 Mbps	50619919	8.23
Android	Oppo3x	Testhouse	fe:95:48:cb:a8:80	100	802.11abgn-AC 80	1	1.42	4.95	4.95	4.95	0	0	-32 dbm	433 Mbps	50619919	8.31
Android	Samsung_M14	Testhouse	2a:ec:5c:bf:0b:c6	100	802.11abgn-AC 80	1	1.38	4.95	8.67	9.91	0	0	-19 dbm	433 Mbps	89110489	14.03
Android	Oppo_A3X	Testhouse	2e:68:2d:99:ac:d0	6	802.11abgn 20	1	1.67	3.13	4.50	4.95	0	0	-42 dbm	96 Mbps	47167190	6.44
Android	itel_P55_5G	Testhouse	5a:f3:d2:a5:60:59	100	802.11abgn-AC 80	1	1.29	4.95	4.95	4.95	0	0	-62 dbm	263 Mbps	50619919	8.73
Android	Samsung_TAB_s9_	Testhouse	d6:b1:ee:7b:4f:aa	100	802.11abgn-AX 80	1	1.74	0.76	7.45	14.93	0	0	-64 dbm	324 Mbps	94983826	7.71
Android	smarttv	Testhouse	38:c8:04:58:cc:23	6	802.11abg 20	1	2.21	1.25	2.89	4.95	0	0	-52 dbm	78 Mbps	19322641	2.62
Android	Lenovo_TAB_M10	Testhouse	86:c4:53:a6:fa:0f	6	802.11abgn 20	1	0.96	4.95	6.19	9.91	0	0	-57 dbm	65 Mbps	78564978	10.05

Detailed Total Errors Table

The below tables provides detailed information of total errors for the web browsing test.

DEVICE	TOTAL ERRORS
Samsung_M05	0
Honor_PAD_X8a	0
iQOO_Z9_Lite_5G	0
Oppo3x	0
Samsung_M14	0
Oppo_A3X	0
itel_P55_5G	0
Samsung_TAB_s9_	0
smarttv	0
Lenovo_TAB_M10	0