

Netflix Streaming Test

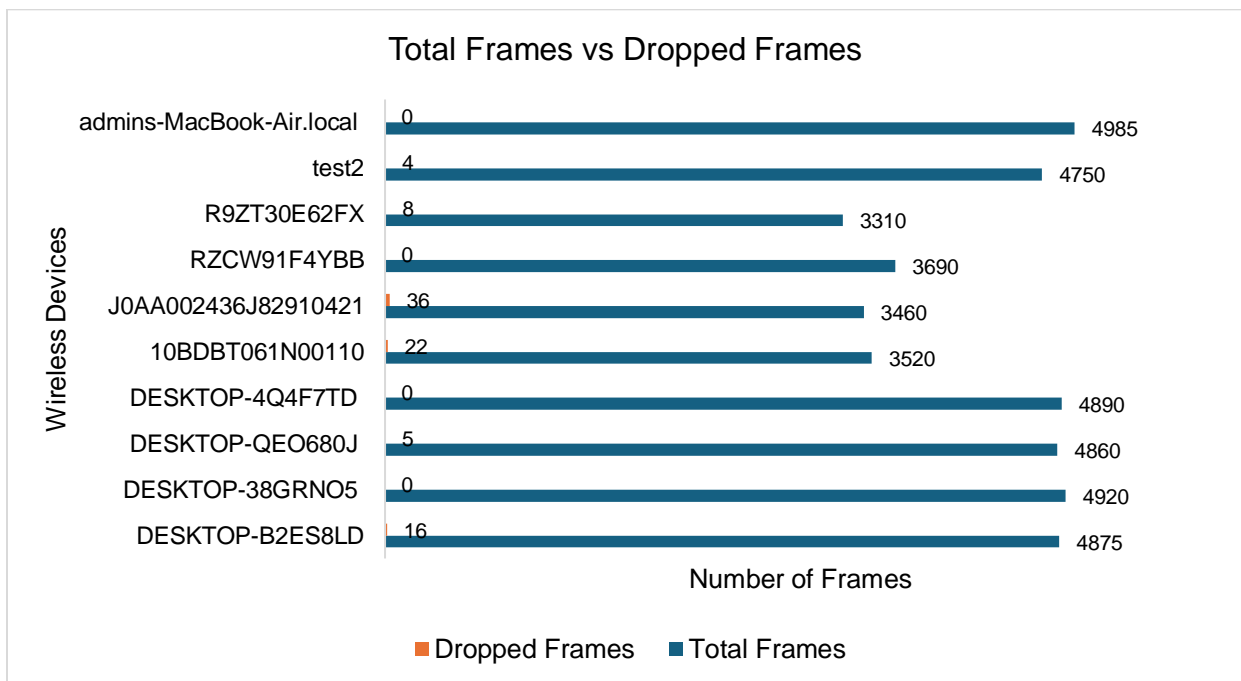
Objective

To perform an automated Netflix streaming test across Android devices and laptops, collecting key playback metrics such as frame drops, audio/video buffering, bitrate adaptation, resolution, and codec usage to assess streaming quality and stability, with automated graphs generated for performance analysis.

Input Parameters

Test Name	Netflix Streaming Test
Duration (in Minutes)	3
Configured Devices	['DESKTOP-B2ES8LD (windows)', 'DESKTOP-38GRNO5 (windows)', 'DESKTOP-QEO680J (windows)', 'DESKTOP-4Q4F7TD (windows)', 'test2 (linux)', 'admins-MacBook-Air.local (macos)', '10BDBT061N00110 (android)', 'J0AA002436J82910421 (android)', 'R9ZT30E62FX (android)', 'RZCW91F4YBB (android)',
No of Devices	Total (10) : W(4),L(1),M(1),A(4)
URL	https://www.netflix.com/watch/81776760

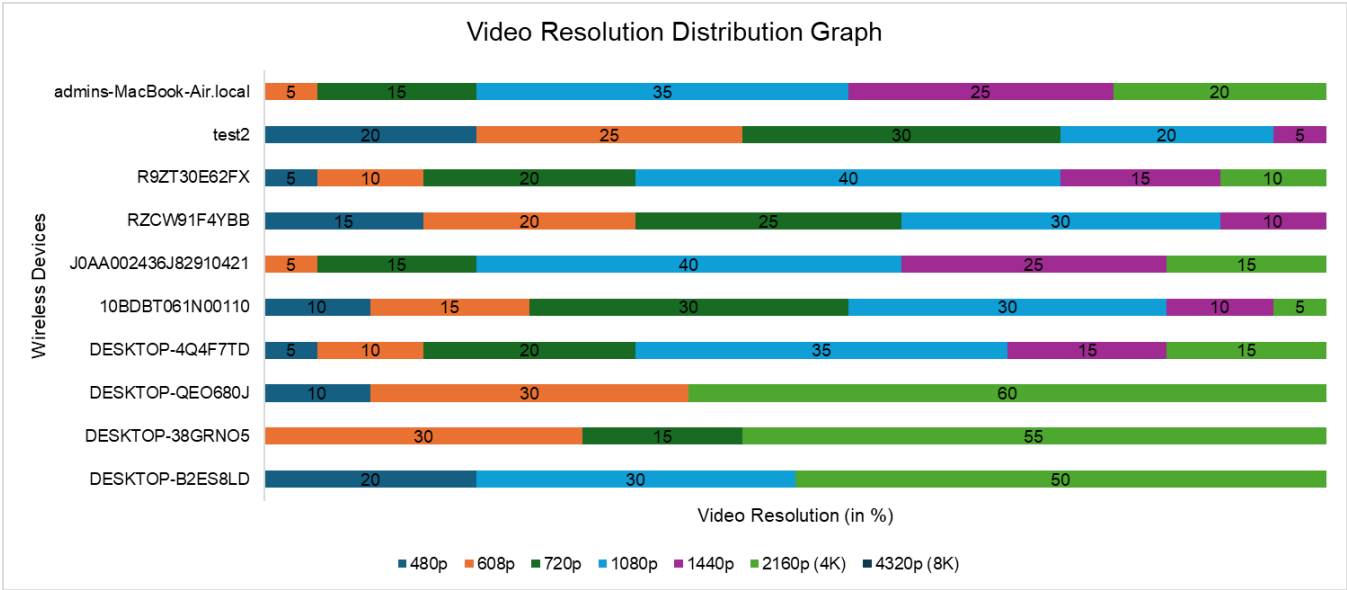
Total Frames vs Frames dropped



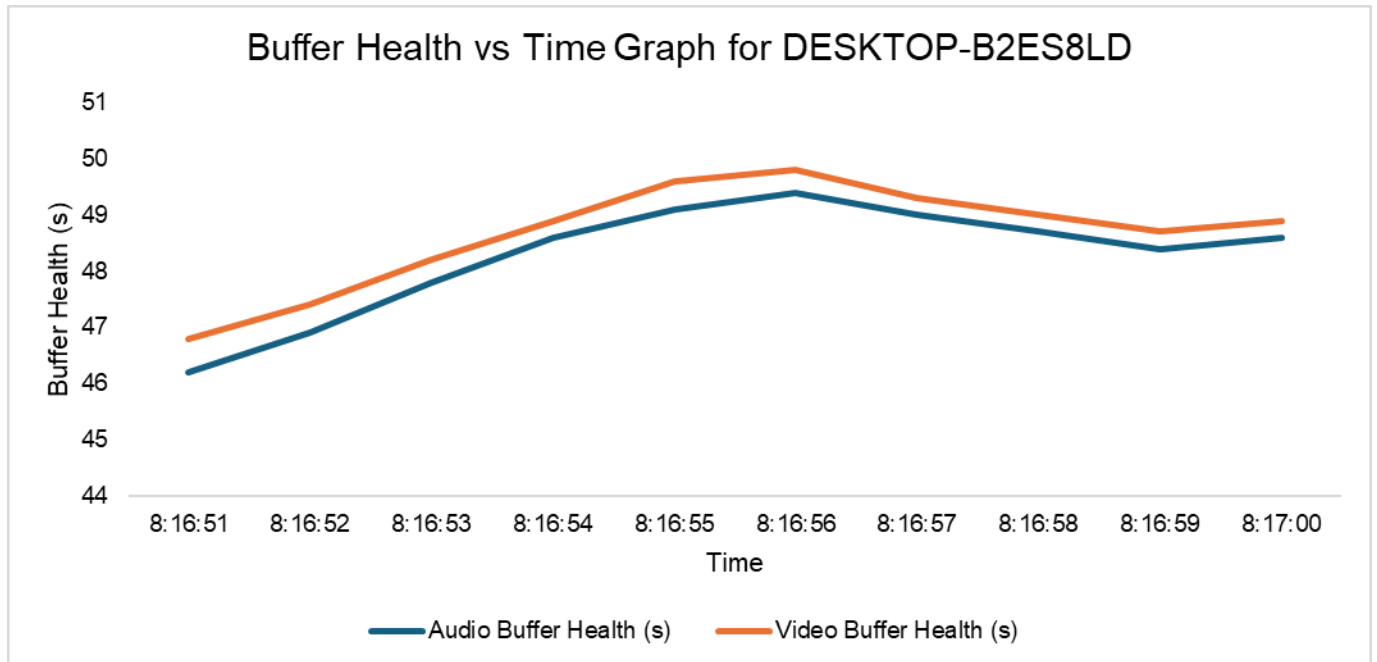
Test Results

Hostname	OS Type	MAC	RSSI (dBm)	Link Rate (Mbps)	SSID	Total Frames	Dropped Frames	Avg Audio Bitrate (kbps)	Avg Audio Buffer Health (s)	Avg Video Bitrate (kbps)	Avg Video Buffer Health (s)
DESKTOP-B2ES8LD	Windows	70:15:fb:10:17:1f	-37	1201	TEST_5G	4875	16	192	48.6	575	48.9
DESKTOP-38GRNO5	Windows	70:15:fb:0f:e8:76	-35	1201	TEST_5G	4920	0	192	49.2	580	49.4
DESKTOP-QEO680J	Windows	70:15:fb:10:32:22	-38	1201	TEST_5G	4860	5	192	48.1	570	48.5
DESKTOP-4Q4F7TD	Windows	70:15:fb:10:3c:86	-46	1201	TEST_5G	4890	0	192	46.3	545	46.8
10BDBT061N00110	Android	ce:46:d2:a2:f1:9f	-30	433	TEST_5G	3520	22	128	72.4	520	73.1
J0AA002436J82910421	Android	2e:7a:b7:68:03:b4	-25	433	TEST_5G	3460	36	128	70.8	510	71.2
RZCW91F4YBB	Android	2e:2c:7b:02:b9:43	-34	1200	TEST_5G	3690	0	128	78.6	540	79
R9ZT30E62FX	Android	9a:3f:bc:11:82:d7	-41	866	TEST_5G	3310	8	128	63.5	610	64.1
test2	Linux	84:2b:2b:9d:6c:a1	-44	1201	TEST_5G	4750	4	192	52.7	600	53
admins-MacBook-Air.local	macOS	88:e9:fe:6a:2c:10	-39	1201	TEST_5G	4985	0	192	56.9	620	57.3

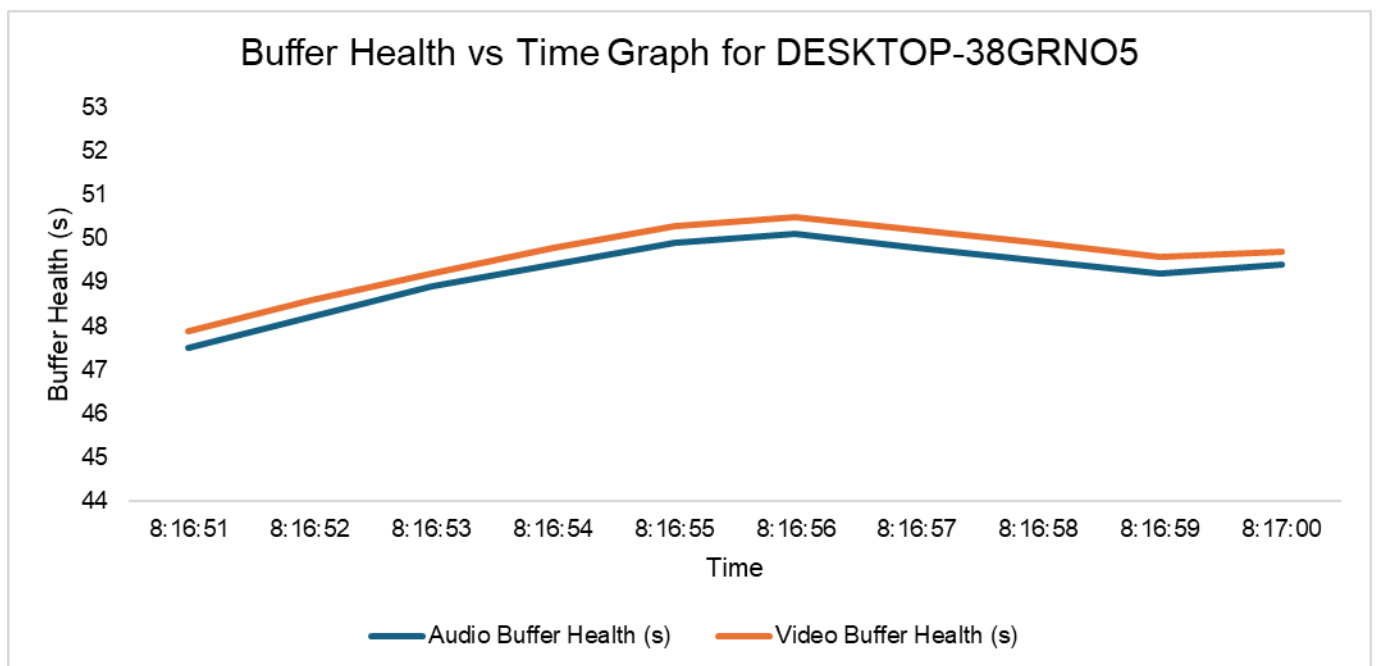
Video Playback Resolution Distribution Across Wireless Devices



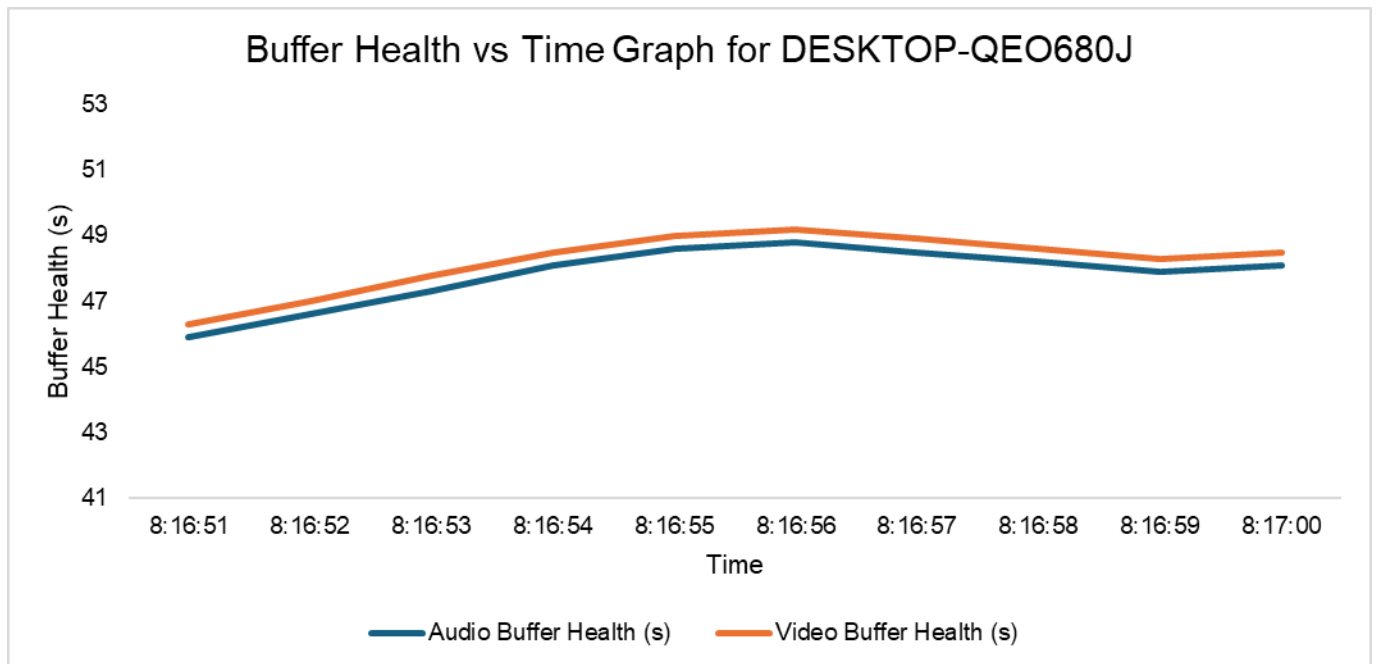
Buffer Health vs Time Graph for DESKTOP-B2ES8LD



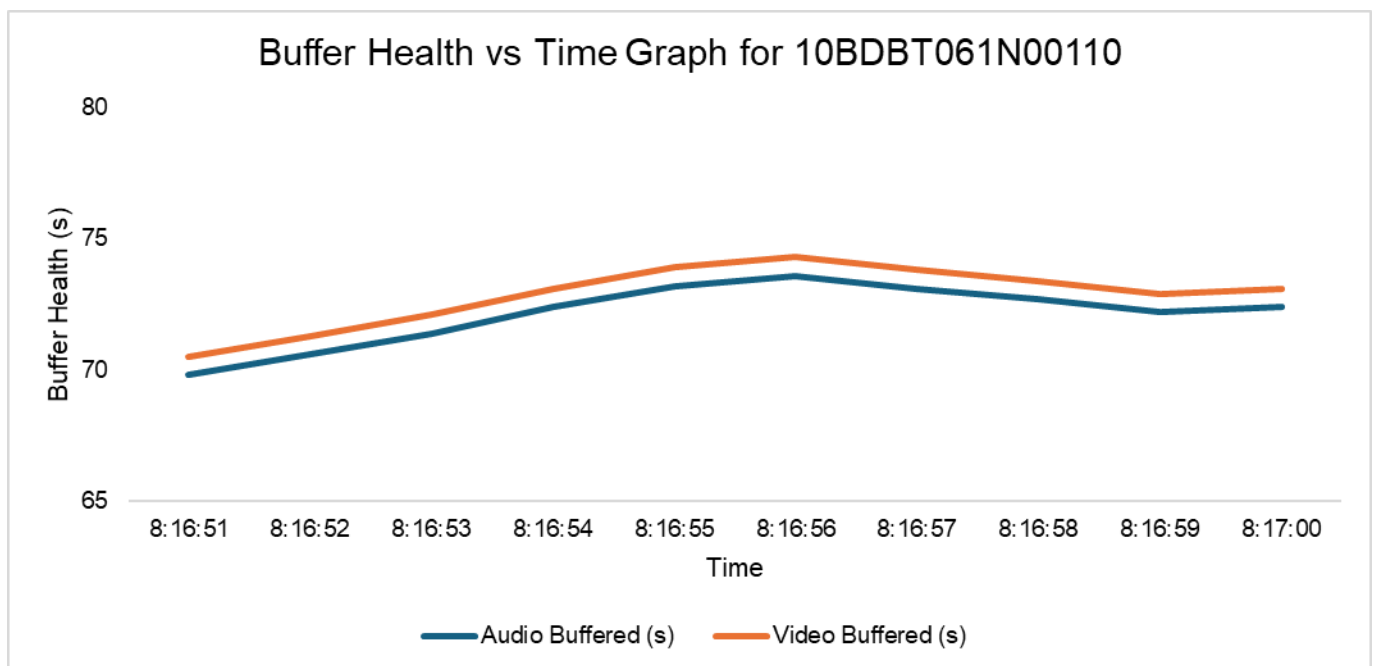
Buffer Health vs Time Graph for DESKTOP- 38GRNO5



Buffer Health vs Time Graph for DESKTOP- QE0680J



Buffer Health vs Time Graph for 10BDBT061N00110



Buffer Health vs Time Graph for admins-MacBook-Air.local

