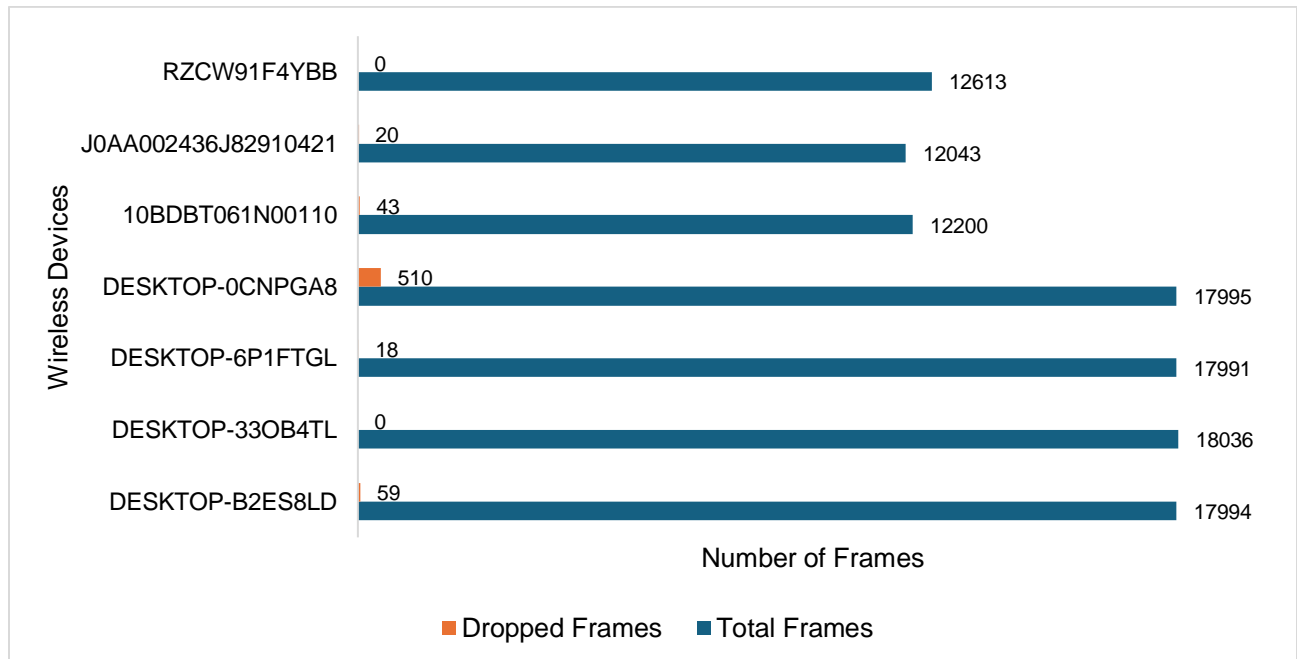# YouTube Shorts Streaming Test

Objective

The objective is to conduct an automated YouTube Shorts streaming test across multiple Android devices and laptops to gather streaming performance statistics. The test will collect key metrics related to video playback behavior, quality, buffering, and stability. Additionally, automated graphs will be generated using the collected data.

Input Parameters

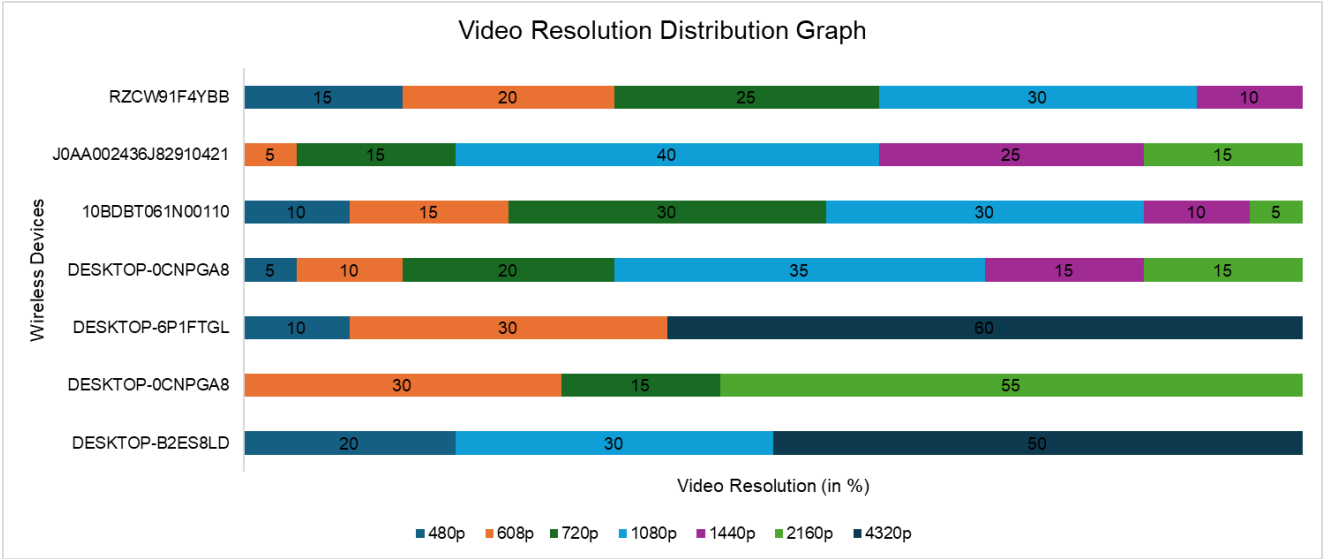|	
Test Name	YouTube Shorts Streaming Test
Duration (in Minutes)	3
Resolution	1080p
Configured Devices	['DESKTOP-B2ES8LD (windows)', 'DESKTOP-33OB4TL (windows)', 'DESKTOP-6P1FTGL (windows)', 'DESKTOP-0CNPGA8 (windows)', '10BDBT061N00110 (android)', 'J0AA002436J82910421 (android)', 'RZCW91F4YBB (android)'
No of Devices	Total (7): W(4),L(0),M(0),A(3)
Scroll Interval (in Seconds)	10

Total Frames vs Frames dropped

NOTE: The final Total Frames should be calculated as: Sum of the last Total Frames value from each iteration

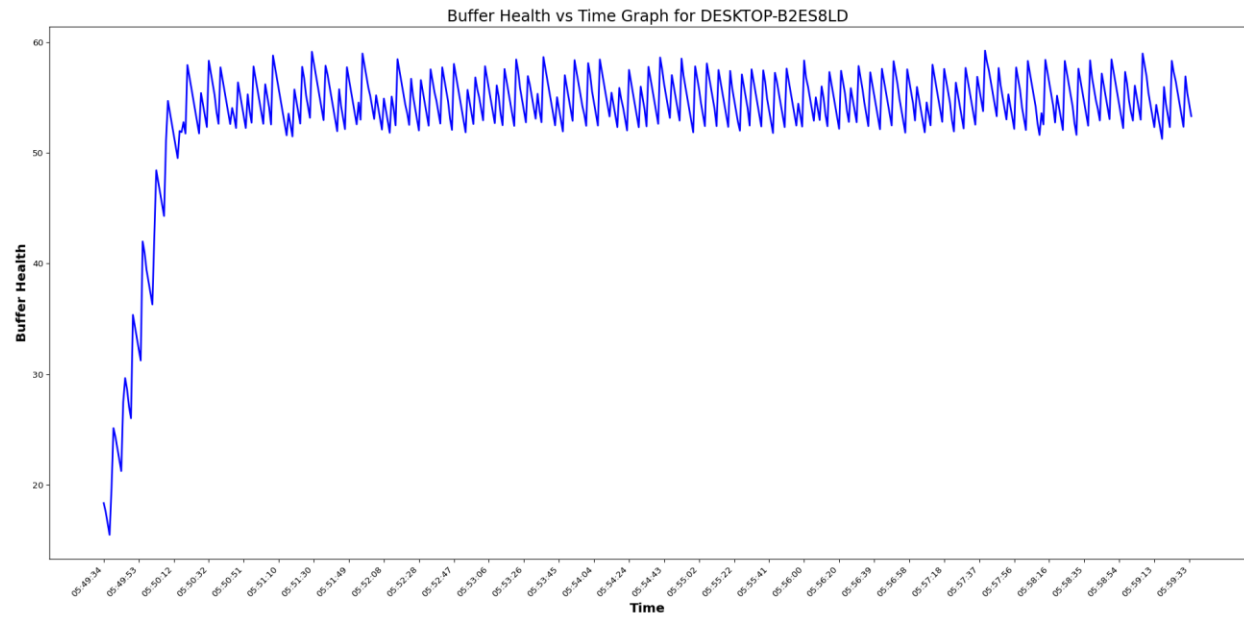The final Dropped Frames should be calculated as: Sum of the last Dropped Frames value from each iteration

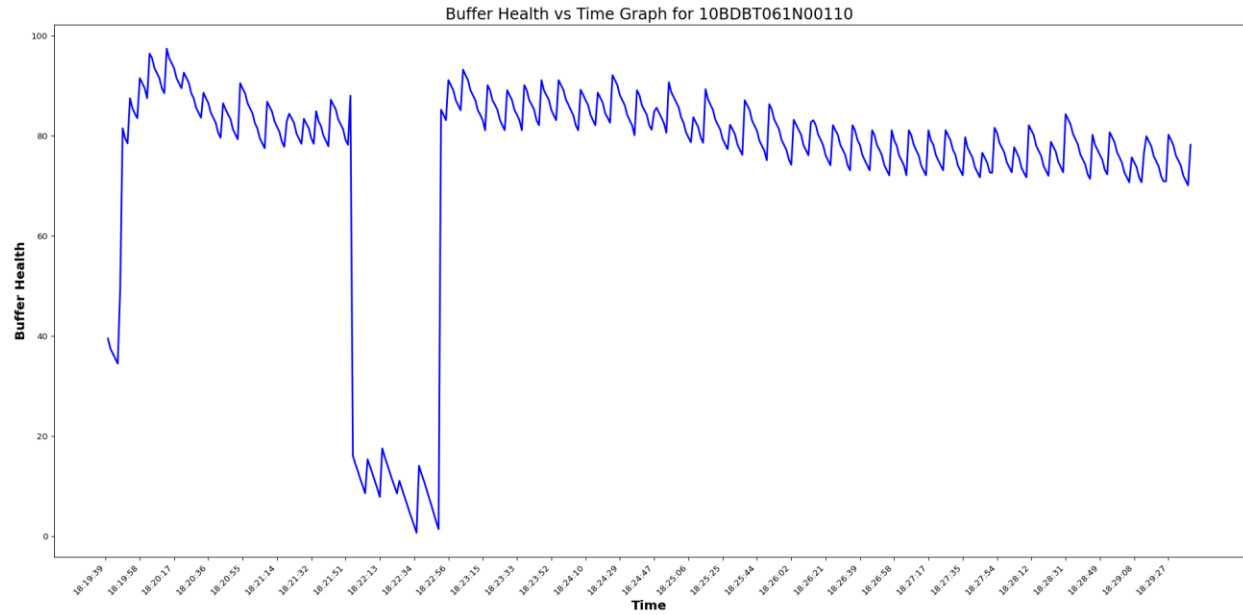## Video Playback Resolution Distribution Across Wireless Devices
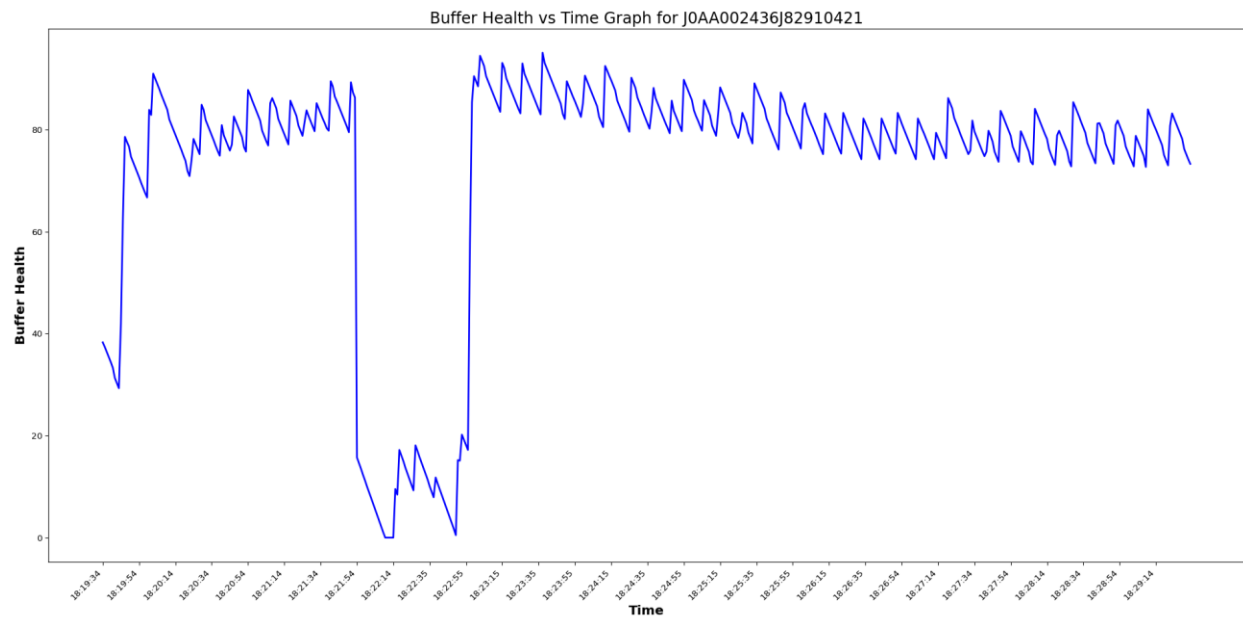

Video Resolution Distribution Graph

Test Results

Hostname	OS Type	MAC	RSSI (dBm)	Link Rate (Mbps)	SSID	Total Frames	Dropped Frames	Min Buffer Health (s)	Max Buffer Health (s)
DESKTOP-B2ES8LD	Windows	70:15:fb:10:17:1f	-37	2402	TEST_5G	17994	59	15.48	59.22
DESKTOP-0CNPGA8	Windows	70:15:fb:0f:e8:76	-35	2402	TEST_5G	18036	0	14.82	59.24
DESKTOP-6P1FTGL	Windows	70:15:fb:10:32:22	-38	2402	TEST_5G	17991	18	15.01	59.06
DESKTOP-0CNPGA8	Windows	70:15:fb:10:3c:86	-46	2402	TEST_5G	17995	510	13.92	58.9
10BDBT061N00110	Android	ce:46:d2:a2:f1:9f	-30	433	TEST_5G	12200	43	0.742	97.4
AA002436J82910421	Android	2e:7a:b7:68:03:b4	-25	433	TEST_5G	12043	20	0	95.1
RZCW91F4YBB	Android	2e:2c:7b:02:b9:43	-34	1200	TEST_5G	12613	0	0.053	100

Buffer Health vs Time Graph for DESKTOP-B2ES8LD

Buffer Health vs Time Graph for DESKTOP-B2ES8LD

Buffer Health vs Time Graph for DESKTOP-0CNPGA8

Buffer Health vs Time Graph for DESKTOP-0CNPGA8

Buffer Health vs Time Graph for 10BDBT061N00110

Buffer Health vs Time Graph for 10BDBT061N00110

Buffer Health vs Time Graph for J0AA002436J82910421
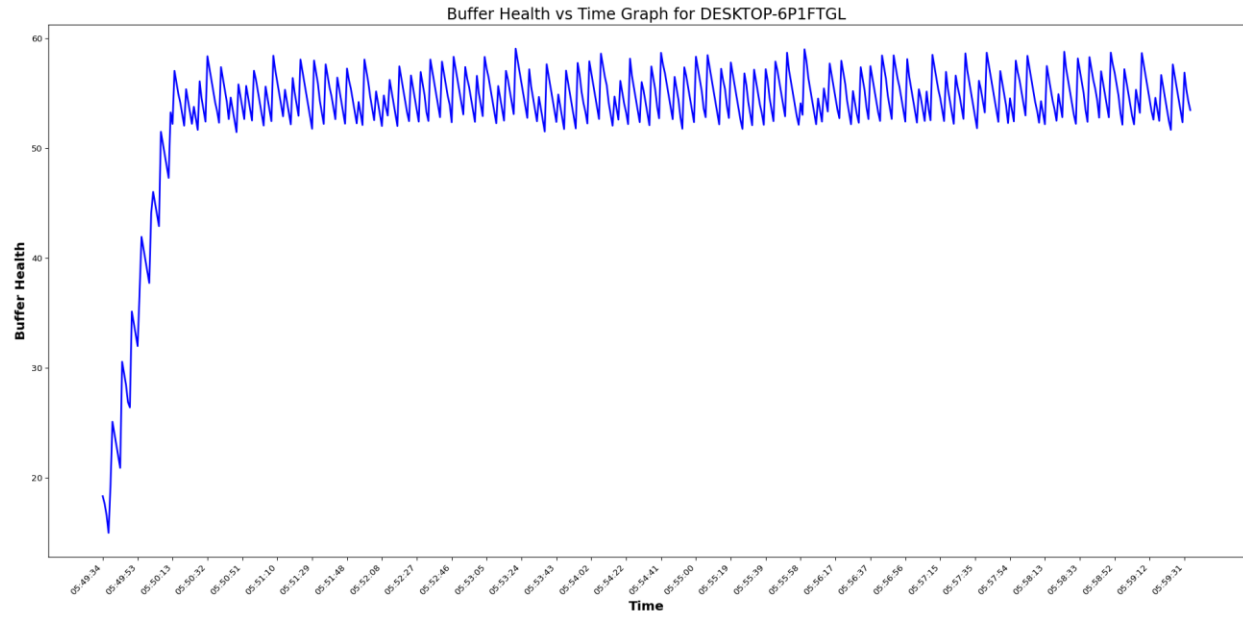

Buffer Health vs Time Graph for J0AA002436J82910421

Buffer Health vs Time Graph for DESKTOP-6P1FTGL

Buffer Health vs Time Graph for DESKTOP-6P1FTGL

Buffer Health vs Time Graph for RZCW91F4YBB

Buffer Health vs Time Graph for RZCW91F4YBB