

# VLC Streaming Test

2025-08-07-12-35-56



## Objective:

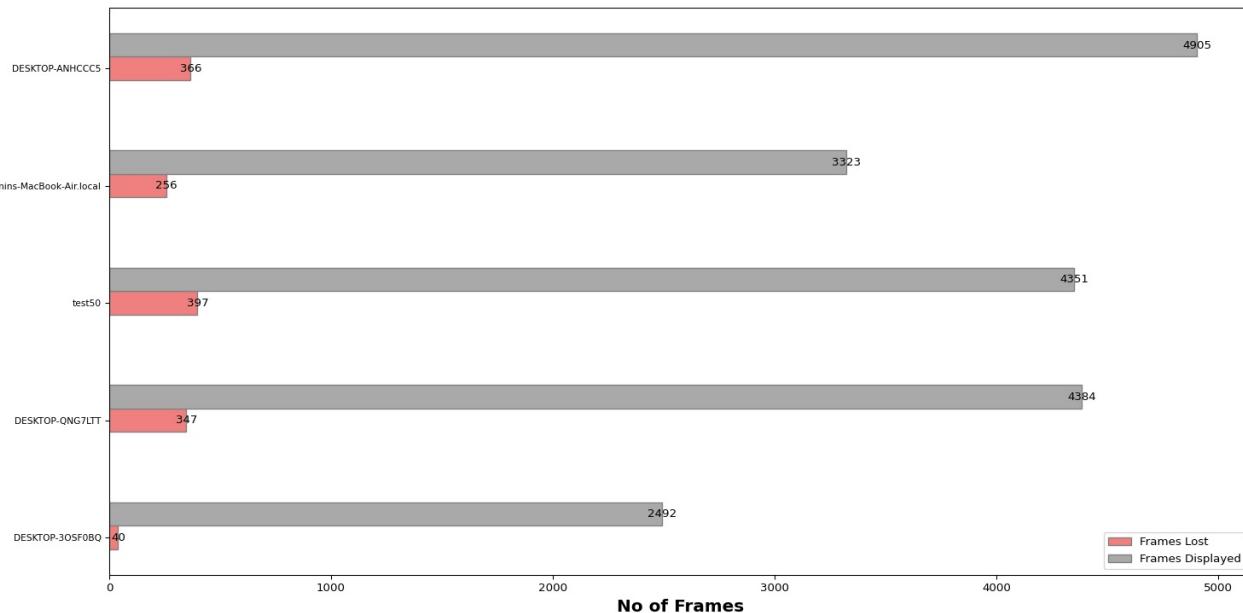
The Objective of the VLC media streaming test is to evaluate the performance and durability of video and audio streaming over Wi-Fi across multiple client platforms, including windows, Linux, macOS. By conducting this test, we aim to ensure successful stream initiation, stable playback, and accurate collection of decoding statistics such as frames displayed, frames lost, buffer played and buffers lost. This helps assess the network's ability to support consistent and high-quality media streaming under varying Wi-Fi conditions.

## Input Parameters:

Input Parameters	Test name	VLC Streaming Test
	Devices	['DESKTOP-T5BMJ6N', 'DESKTOP-3OSF0BQ', 'DESKTOP-QNG7LTT', 'test50', 'admins-MacBook-Air.local', 'DESKTOP-ANHCCC5']
	No of Devices	Total (6) Windows(4),Linux(1),Mac(1)
	Test Duration (min)	5
	Host ID	1.216.wlan0
	Test Type	Video+Audio
	Multicast Port	1234
	Multicast Address	239.255.0.1

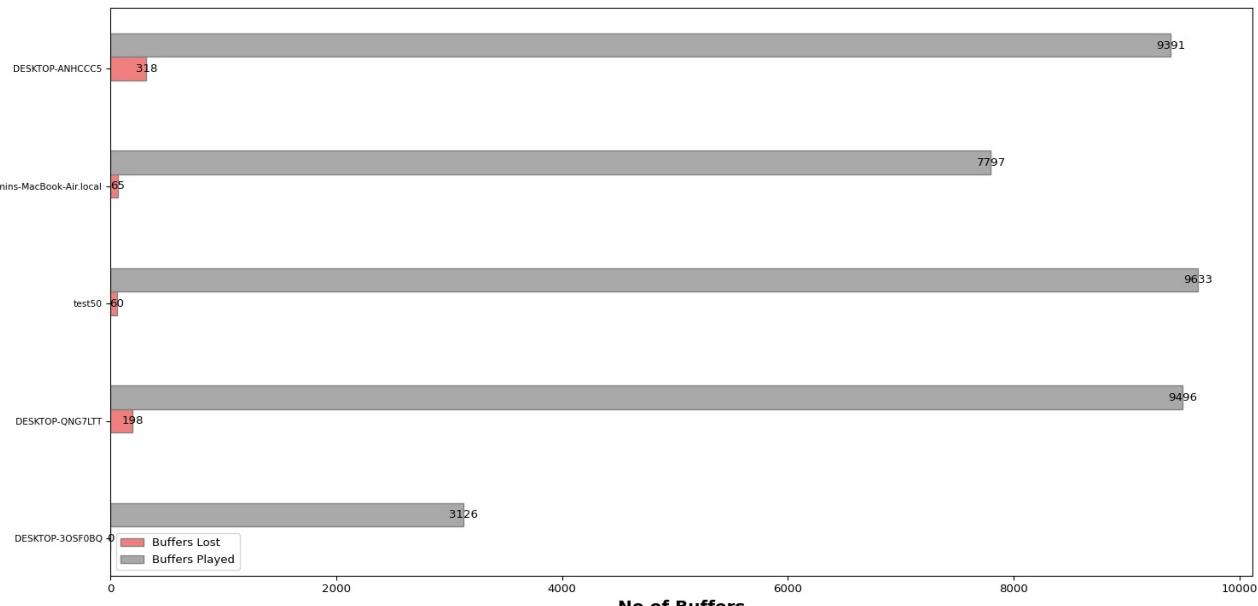
## Video Frames per Device

Video Frames Displayed/Lost per Device



## Audio Buffers Per Device

### Audio Buffers Played/Lost Per Device



### Detailed Test Results For Clients

Device Name	Device Type	MAC Address	Channel	RSSI	Link Rate	Video Decoded	Frames Displayed	Frames Lost	Audio Decoded	Buffers Played	Buffers Lost
DESKTOP-3OSF0BQ	Windows	0c:54:15:cb:95:5d	52	-50 dBm	866.7 Mbps	118	2492	40	7047	3126	0
DESKTOP-QNG7LTT	Windows	5c:3a:45:49:22:c7	52	-49 dBm	433.3 Mbps	3141	4384	347	19773	9496	198
test50	Linux/Interop	d4:1b:81:93:97:af	52	-46 dBm	468 Mbps	3189	4351	397	19750	9633	60
admins-MacBook-Air.local	Mac OS	f6:4f:da:df:09:41	-1	-40 dBm	71.28 Mbps	1722	3323	256	16784	7797	65
DESKTOP-ANHCCC5	Windows	00:93:37:bf:3c:9a	52	-48 dBm	1.201 Gbps	3559	4905	366	19816	9391	318

### Test Result For Host

Device Name	Device Type	Mac Address	Channel	RSSI (dBm)	Metric	Value
DESKTOP-T5BMJ6N	Windows	f0:d5:bf:fa:bf:4f	52	-47 dBm	Input bytes read	13468 KiB
					Input bitrate	896 kb/s
					Demux bytes read	12589 KiB
					Demux bitrate	1019 kb/s
					Discontinuities	2

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