Zoom Call Automated Report

2026-02-19-19-33-17

Objective:

The Zoom Conference Test is designed to evaluate an Access Point ability to handle real-time conferencing workloads when multiple clients, including Windows, Linux, macOS, and Android devices, participate in a Zoom meeting. The test measures the AP's efficiency in managing audio, video, and screen share traffic while maintaining acceptable latency, jitter, packet loss, and bitrate. Additional observations include client connection stability, airtime fairness, and MOS Score. The expected behavior is for the Access Point to sustain consistent Zoom performance as the client load increases, ensuring reliable conferencing quality without significant degradation across upstream and downstream traffic

Test Parameters:

Test Name	Date	Devices Used	Test Duration	EMAIL ID	PASSWORD	HOST	TEST TYPE
Zoom Conference Call Test	19-02-2026	W(1),L(0),M(0),A(2)	8333:20:00	candelatech2@gmail.com	CANDELAtech1@530048	1.5.wlan0	AUDIO & VIDEO

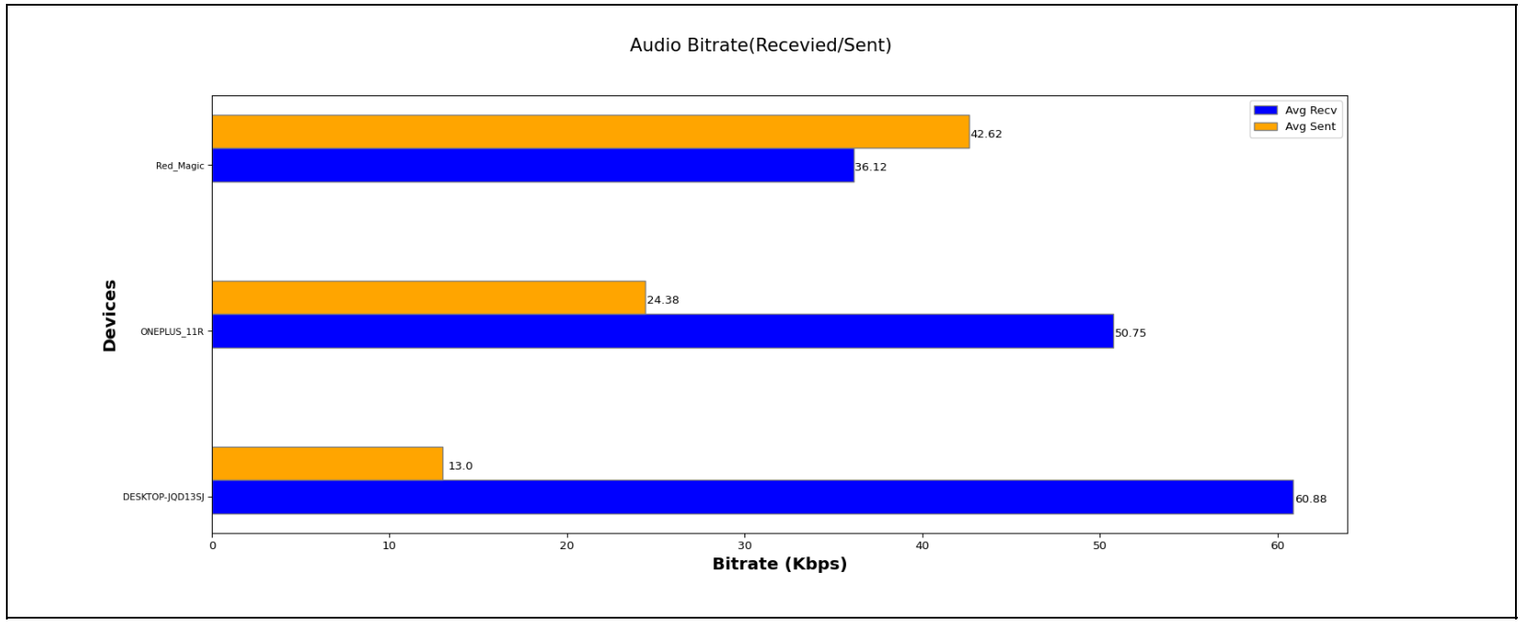
Test Devices:

Hostname	OS Type	MAC	RSSI	Link Rate	SSID	Role in call
DESKTOP-JQD13SJ	windows	70:15:fb:0f:e9:a7	-17 dBm	5.765 Gbps	Roaming	Host
ONEPLUS_11R	android	30:bb:7d:c7:f2:f9	-28	2.401 Gbps	Roaming	Participant
Red_Magic	android	dc:f0:90:ed:e0:53	-38	2.161 Gbps	Roaming	Participant

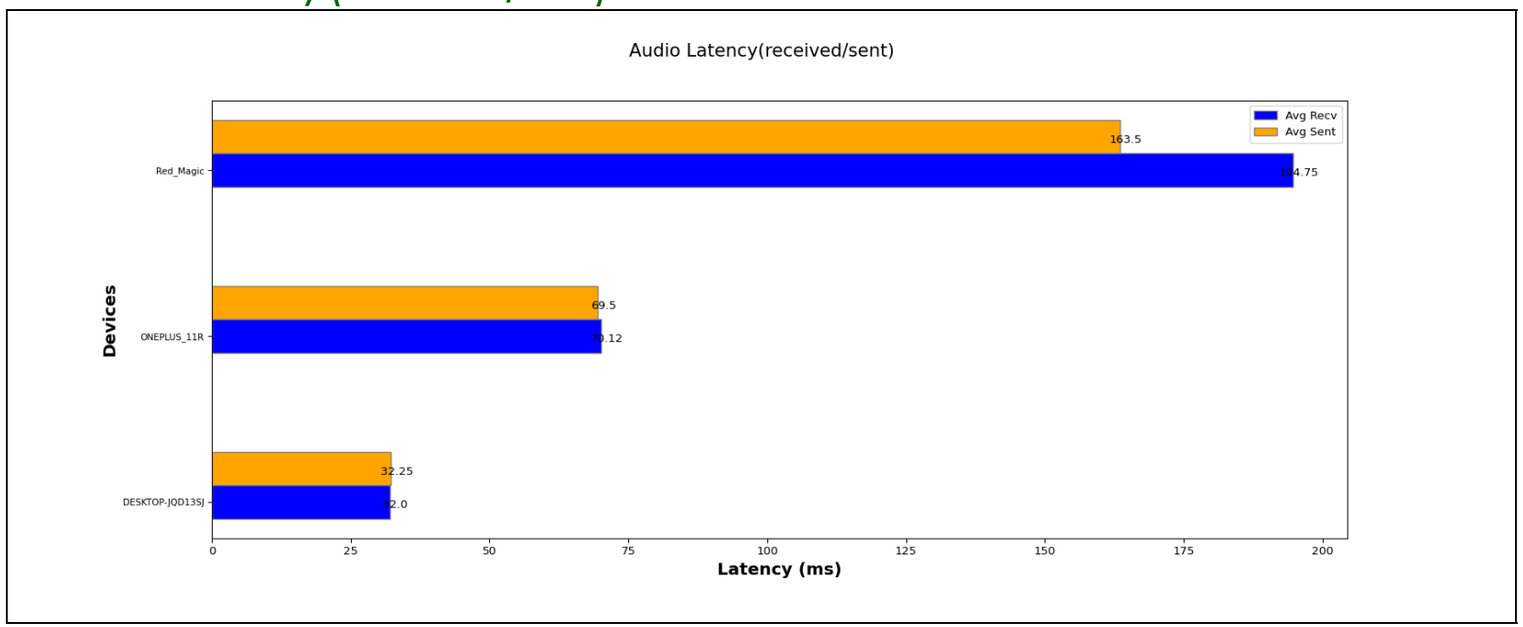
1. Audio Performance

Audio quality is evaluated through latency, jitter, bitrate, and packet loss, ensuring clear communication and consistent voice transmission.

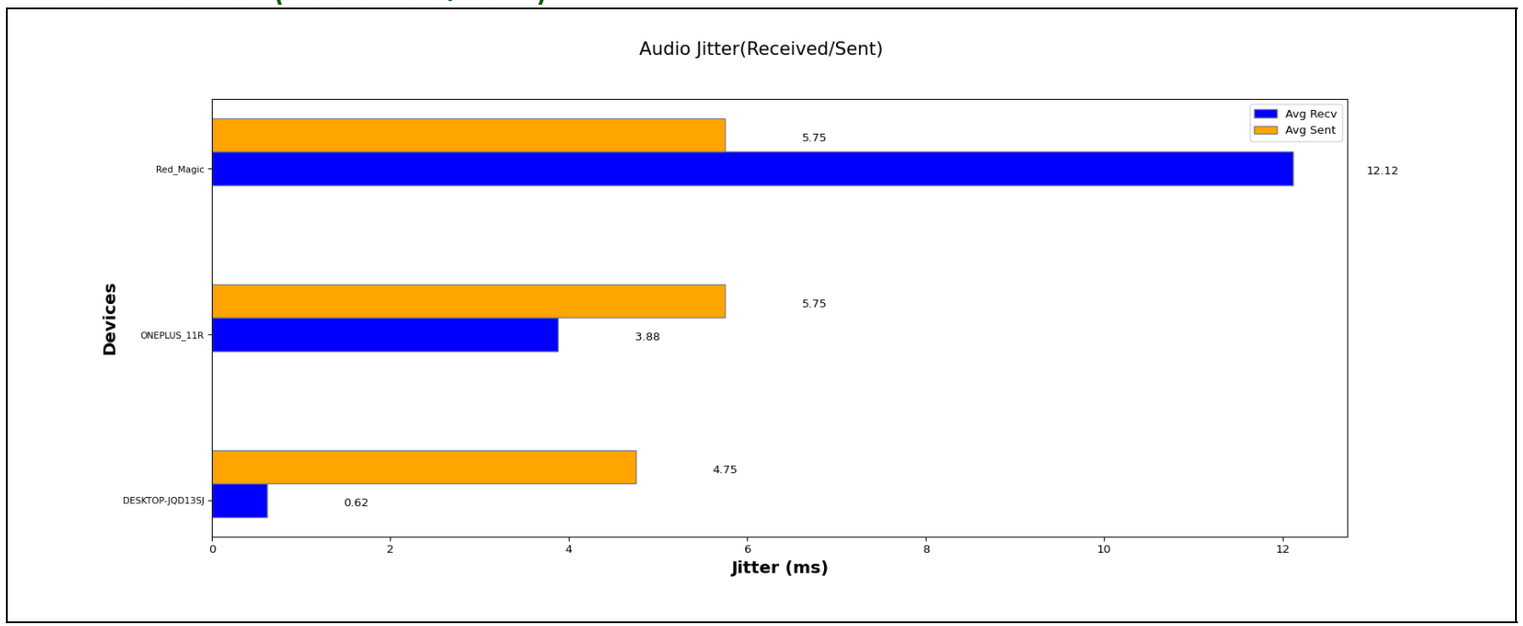
a. Audio Bitrate (Recevied/Sent)



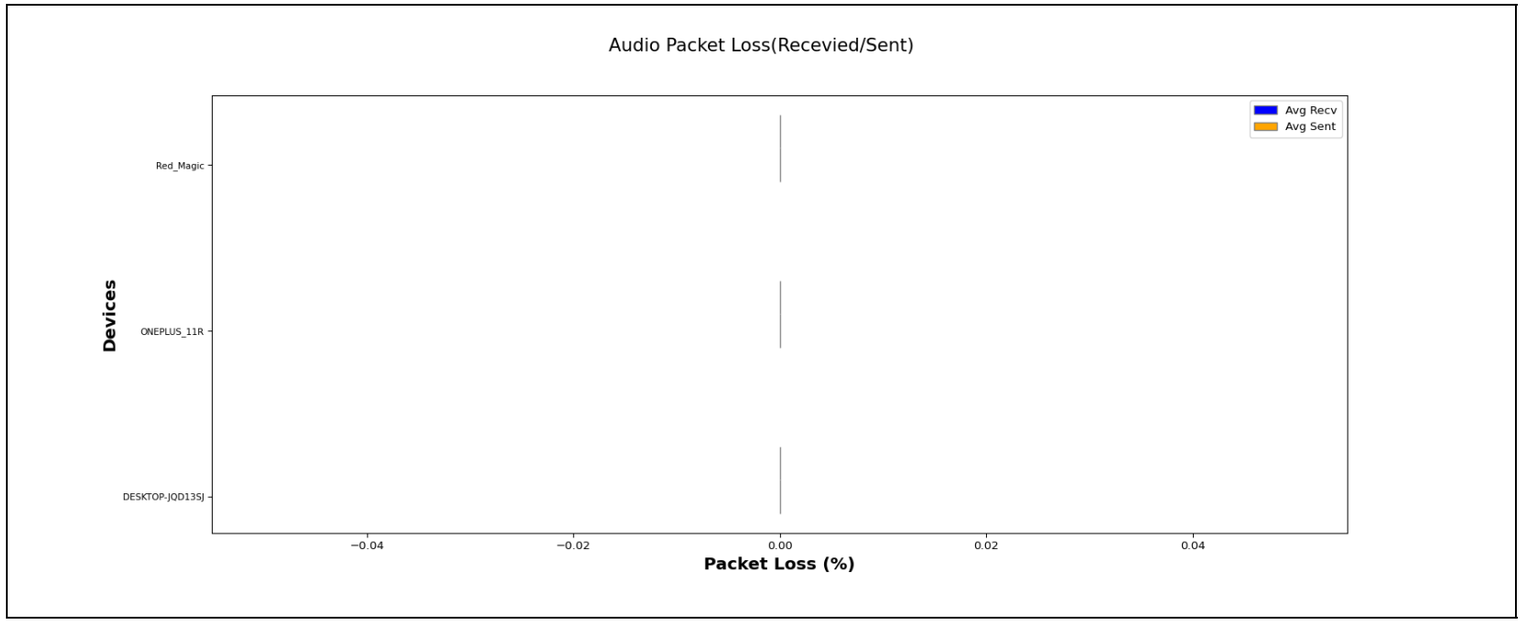
b. Audio Latency (Recevied/Sent)



c. Audio Jitter (Recevied/Sent)



d. Audio Packet Loss (Recevied/Sent)



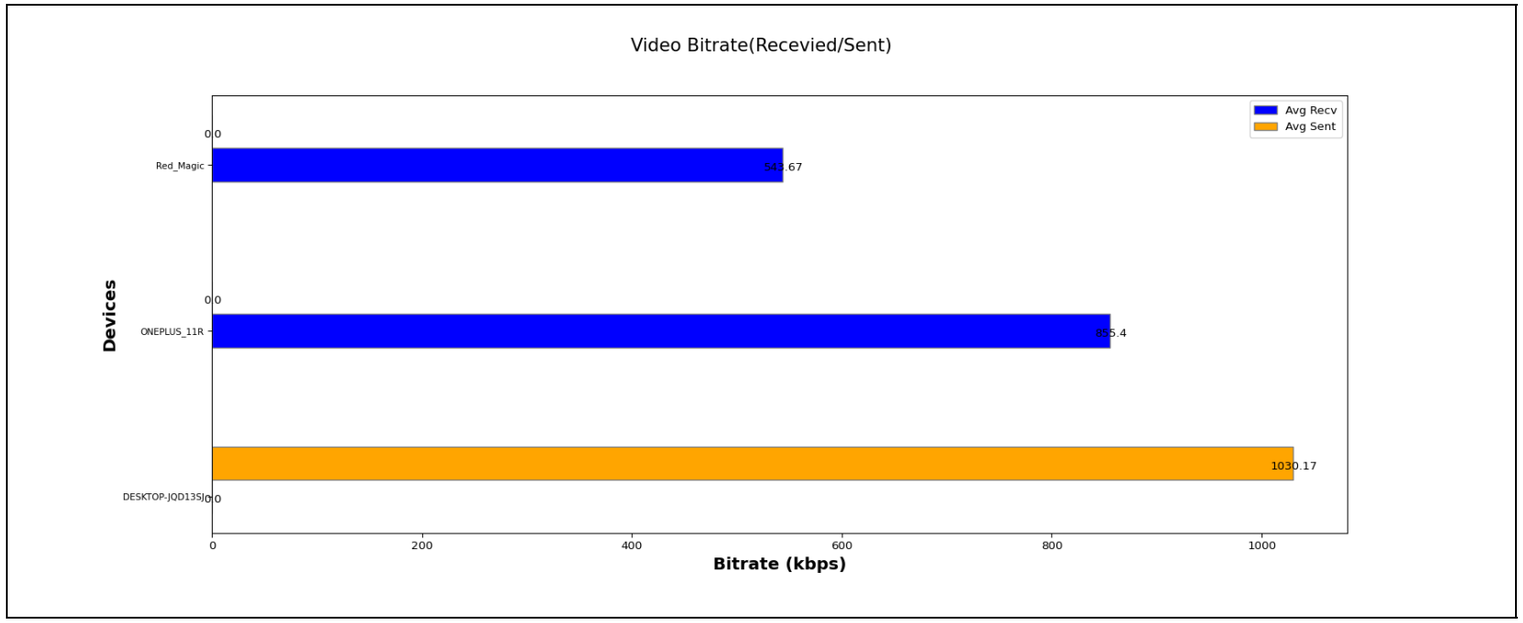
Test Audio Results Table:

Device Name	Avg Bitrate (kbps) [Recevied/Sent]	Avg Latency (ms) [Recevied/Sent]	Avg Jitter (ms) [Recevied/Sent]	Avg Pkt Loss (%) [Recevied/Sent]
DESKTOP-JQD13SJ	60.88/13.0	32.0/32.25	0.62/4.75	0/0
ONEPLUS_11R	50.75/24.38	70.12/69.5	3.88/5.75	0/0
Red_Magic	36.12/42.62	194.75/163.5	12.12/5.75	0/0

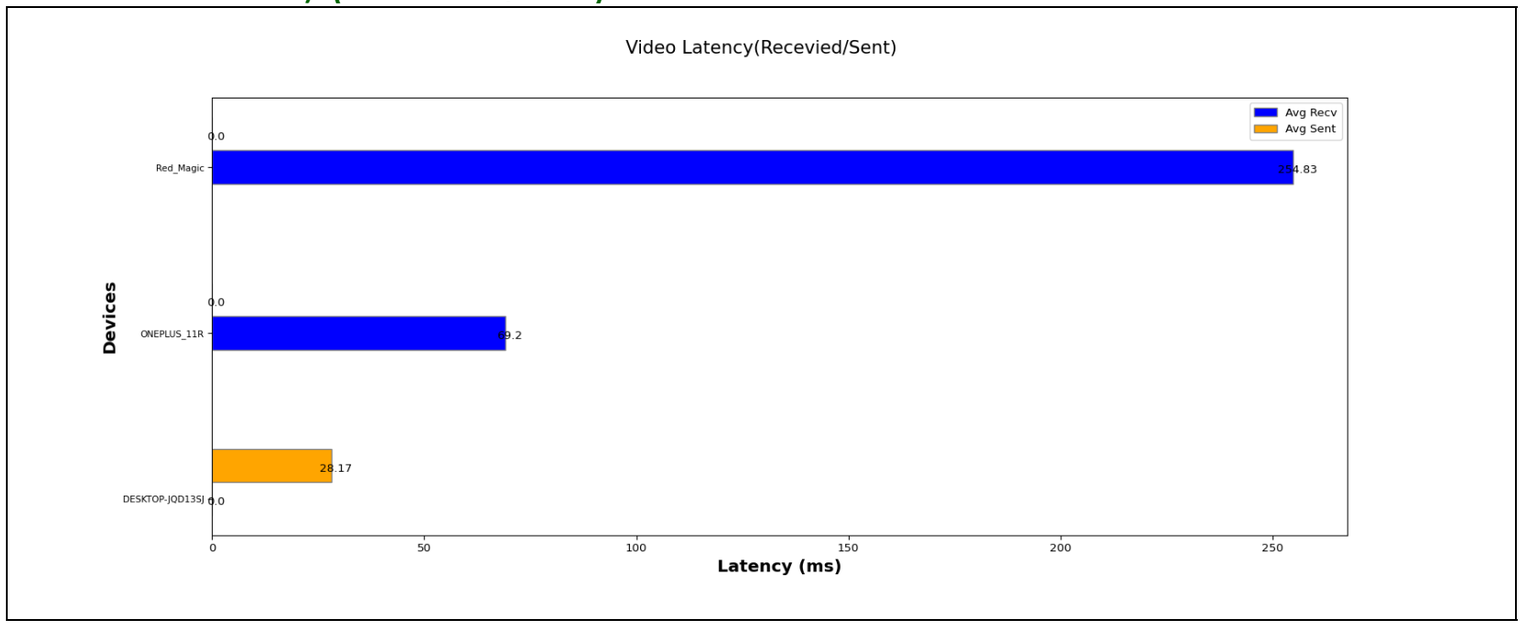
2. Video Performance

Video traffic stresses the Access Point with higher bandwidth demand. Performance is validated by maintaining resolution, frame rate, and minimal loss under increasing client loads.

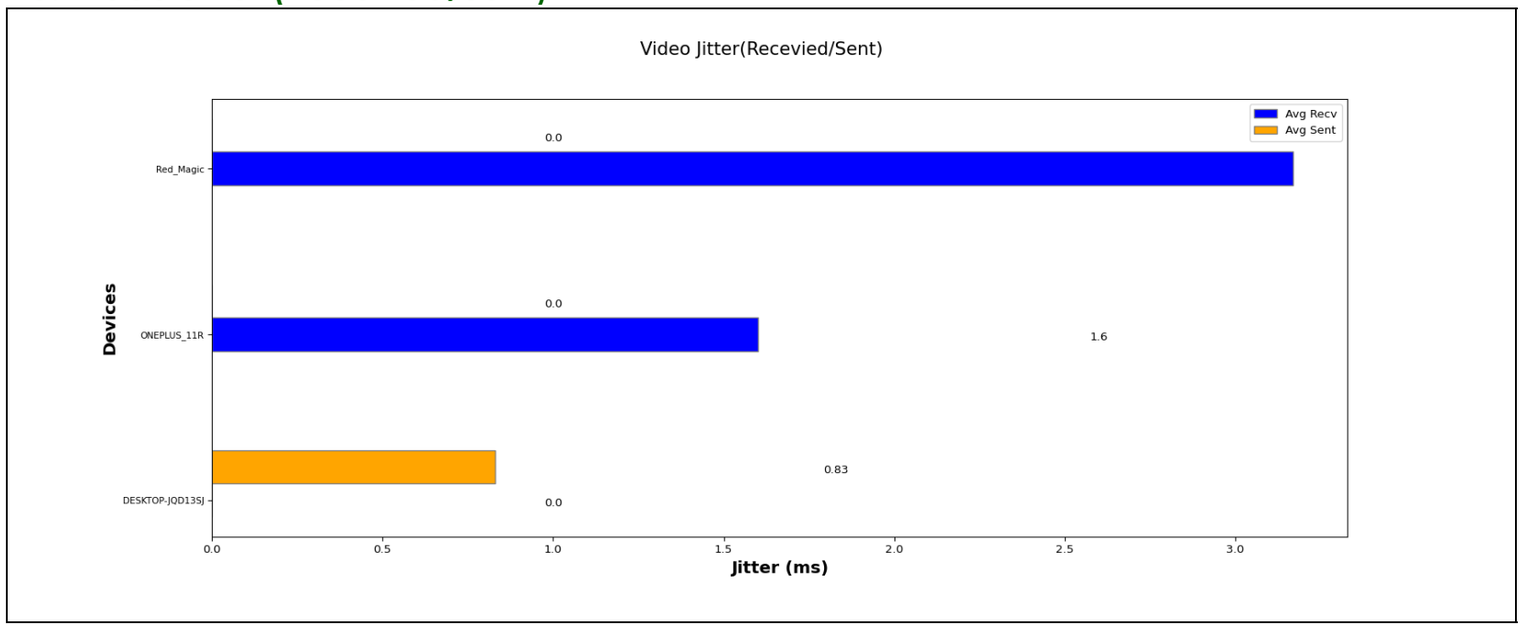
a. Video Bitrate (Recevied/Sent)



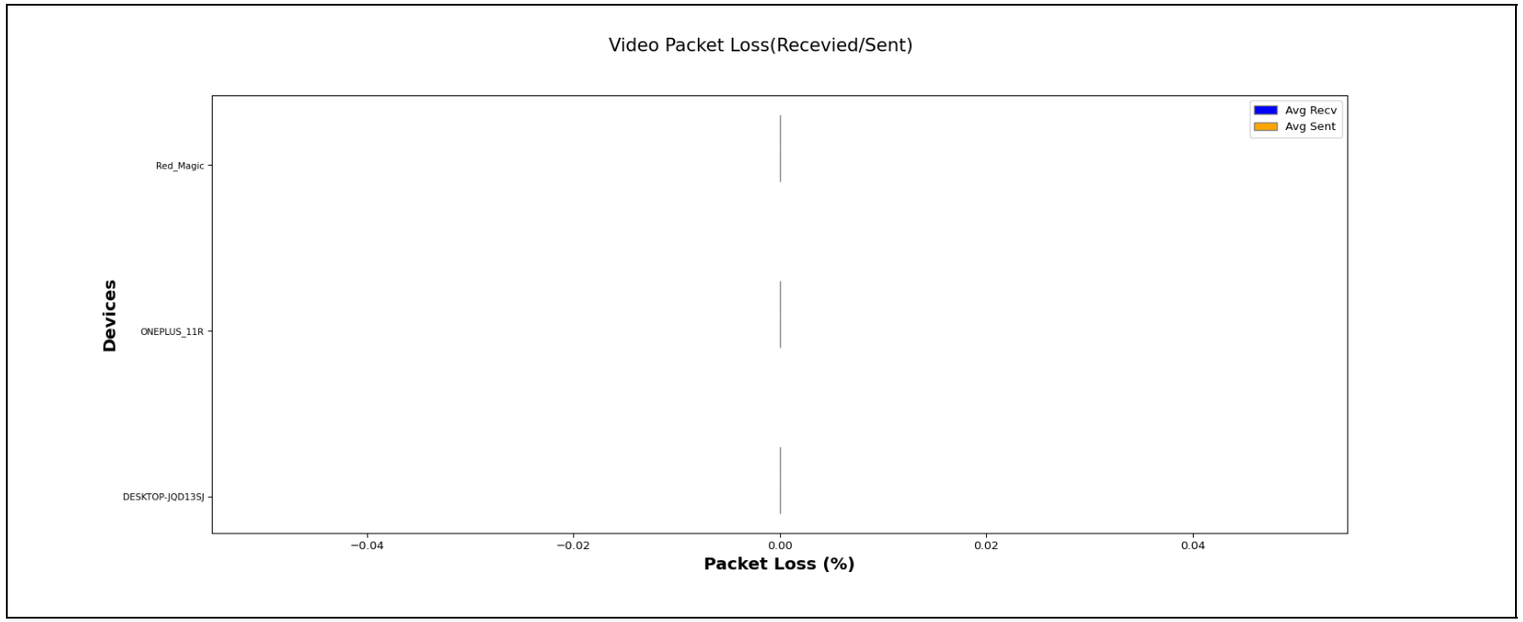
b. Video Latency (Recevied/Sent)



c. Video Jitter (Recevied/Sent)



d. Video Packet Loss (Recevied/Sent)



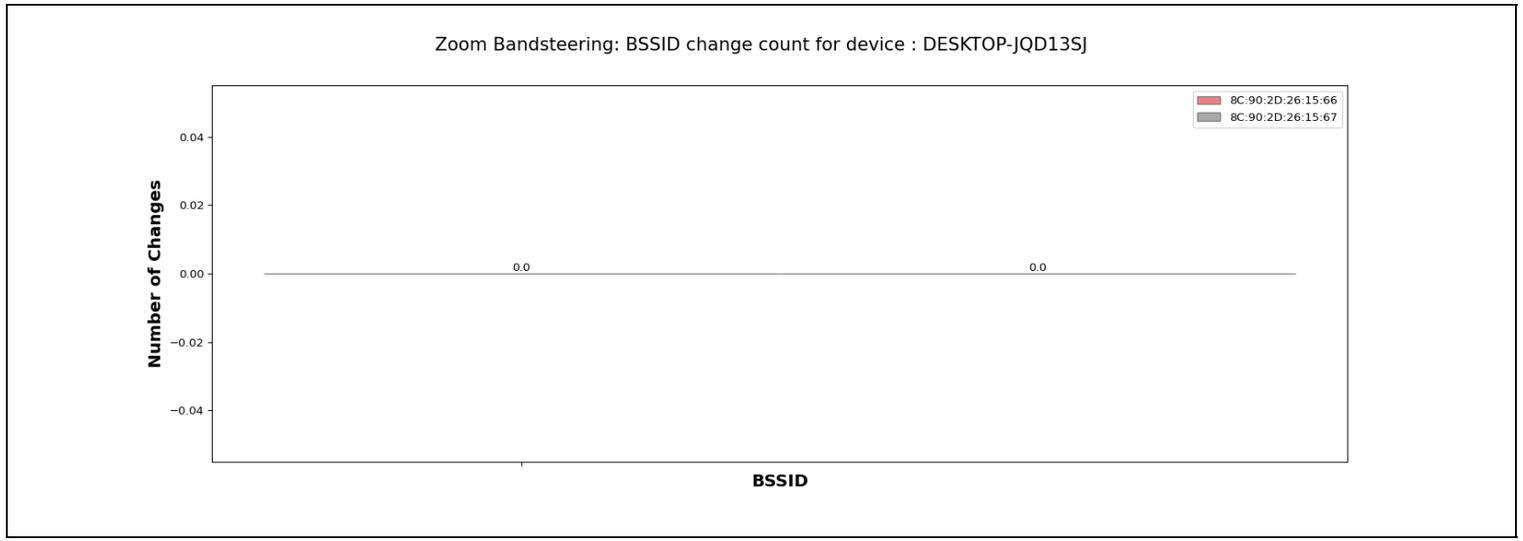
Test Video Results Table:

Device Name	Avg Bitrate (kbps) [Recevied/Sent]	Avg Latency (ms) [Recevied/Sent]	Avg Jitter (ms) [Received/Sent]	Avg Pkt Loss (%) [Recevied/Sent]
DESKTOP-JQD13SJ	0/1030.17	0/28.17	0/0.83	0/0
ONEPLUS_11R	855.4/0	69.2/0	1.6/0	0/0
Red_Magic	543.67/0	254.83/0	3.17/0	0/0

Band Steering Statistics

This section summarizes BSSID changes observed while the robot moved between coordinates.

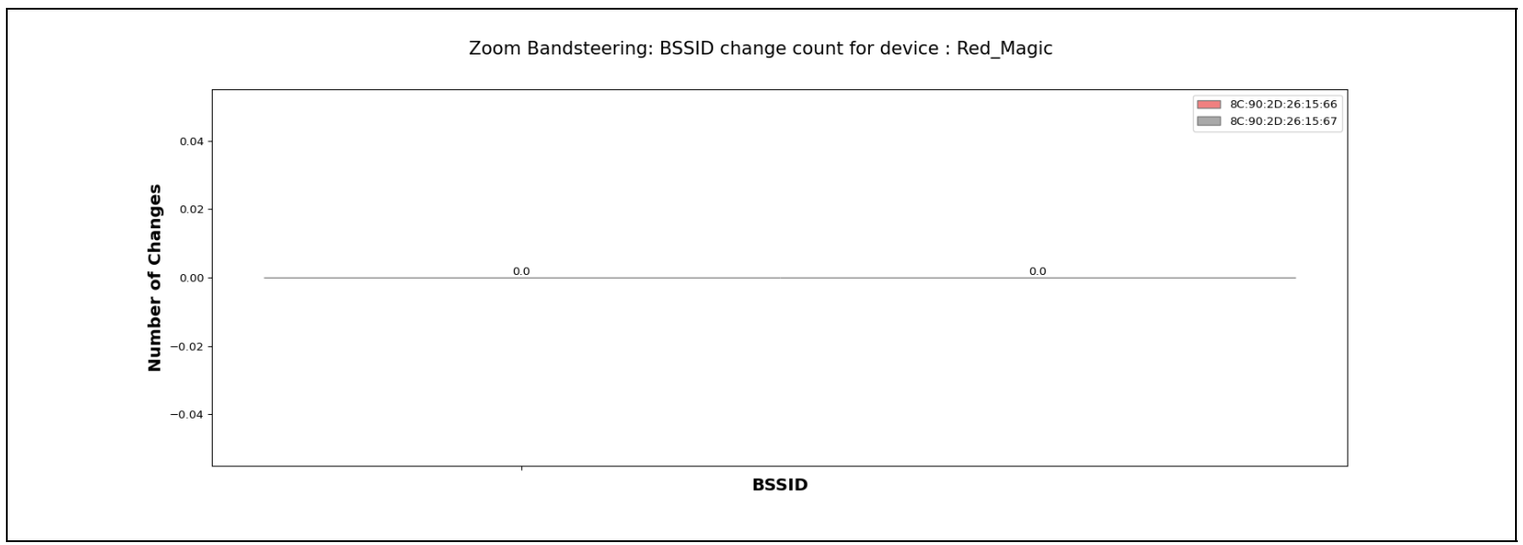
BSSID Change Count Of The Client DESKTOP-JQD13SJ



Band Steering Results for DESKTOP-JQD13SJ

No band steering events observed for the configured BSSID list.

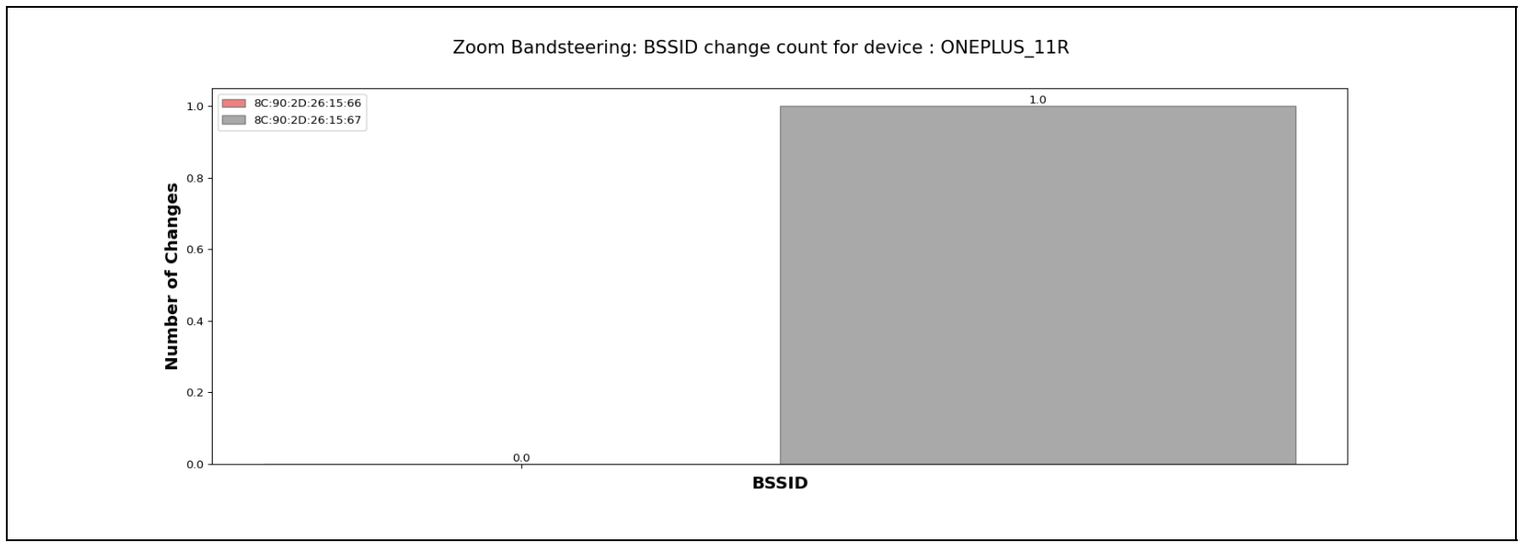
BSSID Change Count Of The Client Red_Magic



Band Steering Results for Red_Magic

No band steering events observed for the configured BSSID list.

BSSID Change Count Of The Client ONEPLUS_11R



Band Steering Results for ONEPLUS_11R

TimeStamp	BSSID	Channel	From Coordinate	To Coordinate
2026-02-19 19:24:26	8C:90:2D:26:15:67	56	NA	NA

Charging Timestamps

Robot did not go to charge during this test