

# TR-398 Issue 4

## WiFi Performance Test Plan

Wed Dec 06 09:17:25 PST 2023



Test Setup Information		
Device Under Test	Name	be800
	SSIDs	be800_2g be800_5g be800_6g TP-Link_F5F0_MLO
	Passwords	lanforge lanforge lanforge 91912022
	BSSIDs	40:ed:00:14:f5:f2 40:ed:00:14:f5:f3 52:ed:00:14:f5:f4
	Notes	[BLANK]
Operator	Ben Greear	
Estimated Run Time	48 m	
Actual Run Time	24.939 m	

## Objective

The TR-398 Issue 4 WiFi Performance test plan by the Broadband forum provides a comprehensive set of tests to qualify the performance of WiFi access points (APs) designed for residential and small office environments. Radio performance, Throughput, Connection Stability, Airtime Fairness, AP Co-existence, Mu\_MIMO Performance, Spatial Consistency, Long-term Stability and Mesh performance are some of the test areas covered in this test plan. The test plan is designed for service providers deploying in home WiFi APs to qualify the APs in the lab before deployment and for equipment makers to test during the development of the APs. Candela Technologies offers a fully automated TR-398 test system. The user can select from the list of tests available. Most tests can run fully automated, though some require user interaction. Measurements are made and compared to the specified PASS/FAIL criteria in the TR-398 test plan and this report will show the summary PASS/FAIL results followed by more detailed results for each test.

## Summary Results

Test	Result	Candela Score	Elapsed	Info
6.4.2 Multiple Association / Disassociation Stability Test	<u>2.4Ghz FAIL</u> <u>5Ghz FAIL</u> <u>6Ghz FAIL</u>	77	24.765 m	N 2.4Ghz Passed 16 / 16 AC 5Ghz Passed 12 / 16 AX 2.4Ghz Passed 14 / 16 AX 5Ghz Passed 13 / 16 AX 6Ghz-160 Passed 9 / 16 BE 2.4Ghz Passed 15 / 16 BE 5Ghz Passed 14 / 16 BE 6Ghz Passed 10 / 24

### 6.4.2 Multiple Association / Disassociation Stability Test

## Summary

Multiple association / disassociation stability test intends to measure stability of Wi-Fi device under a dynamic environment with frequent change of connection status.

## Test Procedure

These steps are done for 2.4, 5 and 6Ghz.

1. Configure the system to emulate the short distance for the respective band: 12 for 2.4Ghz, 6 for 5Ghz, and 0 for 6Ghz.
2. Establish the LAN connection, create 16 stations and associate all 16 to the DUT.
3. 8 STAs are picked for sending/receiving packets while the other 8 STAs are picked to do a dis-association/re-association process during the test.
4. Enable downlink UDP flow (4 Mbps @2.4GHz, 8 Mbps @5GHz and 16 Mbps @6Ghz) from DUT to each of the 8 traffic stations.
5. Run traffic for 30 seconds.
6. Disassociate the other 8 stations. Wait for 30 seconds. Re-associate the STAs simultaneously.
7. Stop traffic and record throughput and packet loss percentage.

## Pass/Fail Criteria

Ensure the disassociation/association does not affect the performance of other peer STAs:

1. UDP traffic rate is at least 99% of the configured rate for each STA.
2. UDP packet loss must be less than 0.01% over the duration of the test for each STA.
3. All stations must be connected with DHCP IP Address acquired at end of the test.

## Candela Score

The Candela Score for Association / Disassociation Test is calculated as the percentage of passing sub-tests.

## 6.4.2 Multiple Association / Disassociation Stability Test Results

Type	Result	Value	P/F Value	Notes
N 2.4Ghz STA: 1.3.wlan0	PASS	3.987	3.960	Requires: 3.96 Mbps Reported: 3.99 Mbps
N 2.4Ghz STA: 1.3.wlan1	PASS	3.987	3.960	Requires: 3.96 Mbps Reported: 3.99 Mbps
N 2.4Ghz STA: 1.3.wlan2	PASS	3.982	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
N 2.4Ghz STA: 1.3.wlan3	PASS	3.980	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
N 2.4Ghz STA: 1.3.wlan4	PASS	3.980	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
N 2.4Ghz STA: 1.3.wlan5	PASS	3.980	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
N 2.4Ghz STA: 1.3.wlan6	PASS	4.009	3.960	Requires: 3.96 Mbps Reported: 4.01 Mbps
N 2.4Ghz STA: 1.3.wlan7	PASS	4.007	3.960	Requires: 3.96 Mbps Reported: 4.01 Mbps
N 2.4Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan2	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0

N 2.4Ghz STA: 1.3.wlan3	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan4	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan5	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan6	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
N 2.4Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
Assoc/Disassoc N 2.4Ghz	PASS			
AC 5Ghz STA: 1.3.wlan0	PASS	7.966	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
AC 5Ghz STA: 1.3.wlan1	PASS	8.017	7.920	Requires: 7.92 Mbps Reported: 8.02 Mbps
AC 5Ghz STA: 1.3.wlan2	PASS	8.017	7.920	Requires: 7.92 Mbps Reported: 8.02 Mbps
AC 5Ghz STA: 1.3.wlan3	PASS	8.017	7.920	Requires: 7.92 Mbps Reported: 8.02 Mbps
AC 5Ghz STA: 1.3.wlan4	PASS	8.017	7.920	Requires: 7.92 Mbps Reported: 8.02 Mbps
AC 5Ghz STA: 1.3.wlan5	PASS	7.987	7.920	Requires: 7.92 Mbps Reported: 7.99 Mbps
AC 5Ghz STA: 1.3.wlan6	PASS	8.017	7.920	Requires: 7.92 Mbps Reported: 8.02 Mbps
AC 5Ghz STA: 1.3.wlan7	PASS	7.987	7.920	Requires: 7.92 Mbps Reported: 7.99 Mbps
AC 5Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AC 5Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AC 5Ghz STA: 1.3.wlan2	FAIL	0.0697	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0697
AC 5Ghz STA: 1.3.wlan3	FAIL	0.0696	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0696
AC 5Ghz STA: 1.3.wlan4	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AC 5Ghz STA: 1.3.wlan5	FAIL	0.0689	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0689
AC 5Ghz STA: 1.3.wlan6	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AC 5Ghz STA: 1.3.wlan7	FAIL	0.0689	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0689
AX 2.4Ghz STA: 1.3.wlan0	PASS	4.007	3.960	Requires: 3.96 Mbps Reported: 4.01 Mbps
AX 2.4Ghz STA: 1.3.wlan1	PASS	4.007	3.960	Requires: 3.96 Mbps Reported: 4.01 Mbps
AX 2.4Ghz STA: 1.3.wlan2	PASS	3.992	3.960	Requires: 3.96 Mbps Reported: 3.99 Mbps
AX 2.4Ghz STA:	PASS	4.166	3.960	Requires: 3.96 Mbps Reported: 4.17 Mbps

1.3.wlan3				
AX 2.4Ghz STA: 1.3.wlan4	PASS	3.979	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
AX 2.4Ghz STA: 1.3.wlan5	PASS	3.979	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
AX 2.4Ghz STA: 1.3.wlan6	PASS	3.979	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
AX 2.4Ghz STA: 1.3.wlan7	PASS	3.979	3.960	Requires: 3.96 Mbps Reported: 3.98 Mbps
AX 2.4Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 2.4Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 2.4Ghz STA: 1.3.wlan2	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 2.4Ghz STA: 1.3.wlan3	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 2.4Ghz STA: 1.3.wlan4	FAIL	0.1379	0.01	Requires drop-prcnt = 0.01%, Reported: 0.1379
AX 2.4Ghz STA: 1.3.wlan5	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 2.4Ghz STA: 1.3.wlan6	FAIL	0.1377	0.01	Requires drop-prcnt = 0.01%, Reported: 0.1377
AX 2.4Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 5Ghz STA: 1.3.wlan0	PASS	8.147	7.920	Requires: 7.92 Mbps Reported: 8.15 Mbps
AX 5Ghz STA: 1.3.wlan1	PASS	7.971	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
AX 5Ghz STA: 1.3.wlan2	PASS	7.969	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
AX 5Ghz STA: 1.3.wlan3	PASS	7.990	7.920	Requires: 7.92 Mbps Reported: 7.99 Mbps
AX 5Ghz STA: 1.3.wlan4	PASS	7.966	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
AX 5Ghz STA: 1.3.wlan5	PASS	7.990	7.920	Requires: 7.92 Mbps Reported: 7.99 Mbps
AX 5Ghz STA: 1.3.wlan6	PASS	7.990	7.920	Requires: 7.92 Mbps Reported: 7.99 Mbps
AX 5Ghz STA: 1.3.wlan7	PASS	7.963	7.920	Requires: 7.92 Mbps Reported: 7.96 Mbps
AX 5Ghz STA: 1.3.wlan0	FAIL	0.0693	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0693
AX 5Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 5Ghz STA: 1.3.wlan2	FAIL	0.0693	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0693
AX 5Ghz STA: 1.3.wlan3	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 5Ghz STA: 1.3.wlan4	FAIL	0.0692	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0692
AX 5Ghz STA:				

1.3.wlan5	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 5Ghz STA: 1.3.wlan6	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AX 5Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
AXe 6Ghz STA: 1.3.wlan0	PASS	16.095	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
AXe 6Ghz STA: 1.3.wlan1	PASS	15.860	15.840	Requires: 15.84 Mbps Reported: 15.86 Mbps
AXe 6Ghz STA: 1.3.wlan2	PASS	16.034	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan3	PASS	16.034	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan4	PASS	16.034	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan5	PASS	16.034	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan6	PASS	16.034	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan7	PASS	16.029	15.840	Requires: 15.84 Mbps Reported: 16.03 Mbps
AXe 6Ghz STA: 1.3.wlan0	FAIL	0.0346	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0346
AXe 6Ghz STA: 1.3.wlan1	FAIL	0.0346	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0346
AXe 6Ghz STA: 1.3.wlan2	FAIL	0.0346	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0346
AXe 6Ghz STA: 1.3.wlan3	FAIL	0.0346	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0346
AXe 6Ghz STA: 1.3.wlan4	FAIL	0.0346	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0346
AXe 6Ghz STA: 1.3.wlan5	FAIL	0.0345	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0345
AXe 6Ghz STA: 1.3.wlan6	FAIL	0.0345	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0345
AXe 6Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan0	PASS	4.000	3.960	Requires: 3.96 Mbps Reported: 4.00 Mbps
BE 2.4Ghz STA: 1.3.wlan1	PASS	4.000	3.960	Requires: 3.96 Mbps Reported: 4.00 Mbps
BE 2.4Ghz STA: 1.3.wlan2	PASS	3.974	3.960	Requires: 3.96 Mbps Reported: 3.97 Mbps
BE 2.4Ghz STA: 1.3.wlan3	PASS	4.147	3.960	Requires: 3.96 Mbps Reported: 4.15 Mbps
BE 2.4Ghz STA: 1.3.wlan4	PASS	3.974	3.960	Requires: 3.96 Mbps Reported: 3.97 Mbps
BE 2.4Ghz STA: 1.3.wlan5	PASS	4.147	3.960	Requires: 3.96 Mbps Reported: 4.15 Mbps
BE 2.4Ghz STA: 1.3.wlan6	PASS	3.974	3.960	Requires: 3.96 Mbps Reported: 3.97 Mbps

BE 2.4Ghz STA: 1.3.wlan7	PASS	3.974	3.960	Requires: 3.96 Mbps Reported: 3.97 Mbps
BE 2.4Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan2	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan3	FAIL	0.0691	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0691
BE 2.4Ghz STA: 1.3.wlan4	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan5	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan6	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 2.4Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan0	PASS	7.979	7.920	Requires: 7.92 Mbps Reported: 7.98 Mbps
BE 5Ghz STA: 1.3.wlan1	PASS	7.971	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
BE 5Ghz STA: 1.3.wlan2	PASS	7.971	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
BE 5Ghz STA: 1.3.wlan3	PASS	7.969	7.920	Requires: 7.92 Mbps Reported: 7.97 Mbps
BE 5Ghz STA: 1.3.wlan4	PASS	7.998	7.920	Requires: 7.92 Mbps Reported: 8.00 Mbps
BE 5Ghz STA: 1.3.wlan5	PASS	7.998	7.920	Requires: 7.92 Mbps Reported: 8.00 Mbps
BE 5Ghz STA: 1.3.wlan6	PASS	7.998	7.920	Requires: 7.92 Mbps Reported: 8.00 Mbps
BE 5Ghz STA: 1.3.wlan7	PASS	7.982	7.920	Requires: 7.92 Mbps Reported: 7.98 Mbps
BE 5Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan2	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan3	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan4	FAIL	0.0689	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0689
BE 5Ghz STA: 1.3.wlan5	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 5Ghz STA: 1.3.wlan6	FAIL	0.0688	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0688
BE 5Ghz STA: 1.3.wlan7	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 6Ghz STA: 1.3.wlan0	PASS	16.013	15.840	Requires: 15.84 Mbps Reported: 16.01 Mbps

BE 6Ghz STA: 1.3.wlan1	PASS	15.906	15.840	Requires: 15.84 Mbps Reported: 15.91 Mbps
BE 6Ghz STA: 1.3.wlan2	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan3	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan4	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan5	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan6	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan7	PASS	16.089	15.840	Requires: 15.84 Mbps Reported: 16.09 Mbps
BE 6Ghz STA: 1.3.wlan0	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 6Ghz STA: 1.3.wlan1	PASS	0	0.01	Requires drop-prcnt = 0.01%, Reported: 0
BE 6Ghz STA: 1.3.wlan2	FAIL	0.1759	0.01	Requires drop-prcnt = 0.01%, Reported: 0.1759
BE 6Ghz STA: 1.3.wlan3	FAIL	0.0345	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0345
BE 6Ghz STA: 1.3.wlan4	FAIL	0.1725	0.01	Requires drop-prcnt = 0.01%, Reported: 0.1725
BE 6Ghz STA: 1.3.wlan5	FAIL	0.0345	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0345
BE 6Ghz STA: 1.3.wlan6	FAIL	0.1394	0.01	Requires drop-prcnt = 0.01%, Reported: 0.1394
BE 6Ghz STA: 1.3.wlan7	FAIL	0.0344	0.01	Requires drop-prcnt = 0.01%, Reported: 0.0344
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.36 wlan8 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.37 wlan9 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.38 wlan10 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.39 wlan11 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.40 wlan12 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.41 wlan13 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.42 wlan14 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true
BE 6Ghz Station re-assoc	FAIL			Station: 1.3.43 wlan15 did not re-connect. admin-down: false connected: true ip-rpt: 0.0.0.0 reset-complete: true

[Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 2.4Ghz N](#)

Assoc/Disassoc: Snapshot N 2.4Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.485 Kbps	3.975 Mbps	1.887	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	4,782	-13	40:ED:00:14:F5:F2	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	20.425 Kbps	3.839 Mbps	0.474	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	3,184	-13	40:ED:00:14:F5:F2	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	20.449 Kbps	3.846 Mbps	0.939	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	3,845	-13	40:ED:00:14:F5:F2	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.449 Kbps	3.851 Mbps	1.422	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	3,350	-13	40:ED:00:14:F5:F2	192.168.0.172	e4:60:17:65:34:98
1.3.32 wlan4	20.212 Kbps	3.854 Mbps	2.358	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	2,601	-12	40:ED:00:14:F5:F2	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.195 Kbps	3.846 Mbps	0.957	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	2,453	-12	40:ED:00:14:F5:F2	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	21.248 Kbps	3.849 Mbps	2.532	52 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	2,374	-13	40:ED:00:14:F5:F2	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.28 Kbps	3.842 Mbps	3.302	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	2,182	-13	40:ED:00:14:F5:F2	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	210 bps	1.139 Kbps	53.75	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	415	-23	40:ED:00:14:F5:F2	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	218 bps	1.135 Kbps	25.926	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	368	-23	40:ED:00:14:F5:F2	192.168.0.195	e4:60:17:65:33:fd
1.3.38 wlan10	271 bps	1.015 Kbps	31.667	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	392	-22	40:ED:00:14:F5:F2	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	244 bps	1.076 Kbps	47.297	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	218	-23	40:ED:00:14:F5:F2	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	223 bps	1.009 Kbps	35.484	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	372	-29	40:ED:00:14:F5:F2	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	236 bps	992 bps	54.217	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	413	-23	40:ED:00:14:F5:F2	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	236 bps	909 bps	43.478	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	326	-24	40:ED:00:14:F5:F2	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	241 bps	940 bps	37.097	52 Mbps	1 Mbps	802.11bgn 20 2x2	6	280	-23	40:ED:00:14:F5:F2	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	30.622 Mbps	161.362 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency [ms]	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-1-0.0-A	20.106 Kbps	3.981 Mbps	160	31858	4	6	0	0	0
cv_udp-3.2-3.wlan0-1-0.0-B	3.979 Mbps	20.096 Kbps	31858	160	2	6	2	0	0
cv_udp-3.2-3.wlan1-1-0.0-A	20.085 Kbps	3.977 Mbps	160	31858	12	14	0	0	0
cv_udp-3.2-3.wlan1-1-0.0-B	3.975 Mbps	20.075 Kbps	31858	160	2	14	1	0	0
cv_udp-3.2-3.wlan2-1-0.0-A	20.26 Kbps	3.981 Mbps	161	31901	18	20	0	0	0
cv_udp-3.2-3.wlan2-1-0.0-B	3.979 Mbps	20.25 Kbps	31901	161	2	20	1	0	0
cv_udp-3.2-3.wlan3-1-0.0-A	20.042 Kbps	3.977 Mbps	160	31901	9	10	0	0	0
cv_udp-3.2-3.wlan3-1-0.0-B	3.975 Mbps	20.032 Kbps	31901	160	1	10	1	0	0
cv_udp-3.2-3.wlan4-1-0.0-A	20.021 Kbps	3.982 Mbps	160	31945	7	9	0	0	0
cv_udp-3.2-3.wlan4-1-0.0-B	3.978 Mbps	19.783 Kbps	31945	160	2	9	2	0	0
cv_udp-3.2-3.wlan5-1-0.0-A	19.97 Kbps	3.967 Mbps	160	31902	12	15	0	0	0
cv_udp-3.2-3.wlan5-1-0.0-B	3.965 Mbps	19.96 Kbps	31902	160	3	15	2	0	0
cv_udp-3.2-3.wlan6-1-0.0-A	20.147 Kbps	3.98 Mbps	161	31988	8	11	0	0	0
cv_udp-3.2-3.wlan6-1-0.0-B	3.978 Mbps	20.136 Kbps	31988	161	3	11	3	0	0
cv_udp-3.2-3.wlan7-1-0.0-A	19.928 Kbps	3.967 Mbps	160	31946	9	12	0	0	0
cv_udp-3.2-3.wlan7-1-0.0-B	3.965 Mbps	19.917 Kbps	31946	160	3	12	4	0	0

[Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 5Ghz AC](#)

Assoc/Disassoc: Snapshot AC 5Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
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1.3.28 wlan0	20.65 Kbps	7.914 Mbps	0.474	866.7 Mbps	650 Mbps	802.11an-AC 80 2x2	36	1,185	-32	40:ED:00:14:F5:F3	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	21.017 Kbps	7.88 Mbps	0	234 Mbps	650 Mbps	802.11an-AC 80 2x2	36	1,180	-31	40:ED:00:14:F5:F3	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	20.77 Kbps	7.885 Mbps	0.962	234 Mbps	650 Mbps	802.11an-AC 80 2x2	36	475	-32	40:ED:00:14:F5:F3	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.892 Kbps	7.875 Mbps	0	234 Mbps	650 Mbps	802.11an-AC 80 2x2	36	112	-31	40:ED:00:14:F5:F3	192.168.0.172	e4:60:17:65:34:98
1.3.32 wlan4	20.755 Kbps	7.902 Mbps	0	234 Mbps	780 Mbps	802.11an-AC 80 2x2	36	483	-29	40:ED:00:14:F5:F3	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.862 Kbps	7.906 Mbps	0.483	234 Mbps	866.7 Mbps	802.11an-AC 160 2x2	36	78	-29	40:ED:00:14:F5:F3	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	20.735 Kbps	7.896 Mbps	0	234 Mbps	866.7 Mbps	802.11an-AC 80 2x2	36	84	-29	40:ED:00:14:F5:F3	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.613 Kbps	7.894 Mbps	0.488	234 Mbps	866.7 Mbps	802.11an-AC 160 2x2	36	76	-29	40:ED:00:14:F5:F3	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	224 bps	1.232 Kbps	2.5	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	74	-36	40:ED:00:14:F5:F3	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	259 bps	1.168 Kbps	28.125	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	293	-36	40:ED:00:14:F5:F3	192.168.0.195	e4:60:17:65:33:fd
1.3.38 wlan10	305 bps	1.255 Kbps	32.258	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	195	-36	40:ED:00:14:F5:F3	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	224 bps	1.19 Kbps	0	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	76	-36	40:ED:00:14:F5:F3	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	278 bps	1.15 Kbps	0	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	77	-35	40:ED:00:14:F5:F3	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	251 bps	1.092 Kbps	4.878	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	76	-35	40:ED:00:14:F5:F3	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	256 bps	1.071 Kbps	2.381	234 Mbps	6 Mbps	802.11an-AC 160 2x2	36	130	-36	40:ED:00:14:F5:F3	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	251 bps	1.027 Kbps	2.5	234 Mbps	520 Mbps	802.11an-AC 160 2x2	36	82	-36	40:ED:00:14:F5:F3	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	58.388 Mbps	152.985 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-1.0.0-A	19.948 Kbps	7.943 Mbps	158	63054	3	3	0	0	0
cv_udp-3.2-3.wlan0-1.0.0-B	7.948 Mbps	19.938 Kbps	63098	158	0	3	0	0	0
cv_udp-3.2-3.wlan1-1.0.0-A	19.73 Kbps	7.935 Mbps	158	63054	2	2	0	0	0
cv_udp-3.2-3.wlan1-1.0.0-B	7.939 Mbps	19.719 Kbps	63098	158	0	2	0	0	0
cv_udp-3.2-3.wlan2-1.0.0-A	19.709 Kbps	7.935 Mbps	158	63099	4	4	0	0.070	0
cv_udp-3.2-3.wlan2-1.0.0-B	7.939 Mbps	19.698 Kbps	63143	158	0	4	0	0	0
cv_udp-3.2-3.wlan3-1.0.0-A	20.082 Kbps	7.935 Mbps	159	63141	8	8	0	0.070	0
cv_udp-3.2-3.wlan3-1.0.0-B	7.94 Kbps	20.071 Kbps	63185	159	0	8	0	0	0
cv_udp-3.2-3.wlan4-1.0.0-A	19.924 Kbps	7.942 Mbps	160	63759	2	2	0	0	0
cv_udp-3.2-3.wlan4-1.0.0-B	7.938 Mbps	19.914 Kbps	63759	160	0	2	0	0	0
cv_udp-3.2-3.wlan5-1.0.0-A	19.903 Kbps	7.934 Mbps	160	63801	2	3	0	0.069	0
cv_udp-3.2-3.wlan5-1.0.0-B	7.938 Mbps	19.892 Kbps	63845	160	1	3	0	0	0
cv_udp-3.2-3.wlan6-1.0.0-A	20.079 Kbps	7.943 Mbps	160	63846	2	2	0	0	0
cv_udp-3.2-3.wlan6-1.0.0-B	7.939 Mbps	20.068 Kbps	63846	160	0	2	0	0	0
cv_udp-3.2-3.wlan7-1.0.0-A	20.057 Kbps	7.934 Mbps	160	63800	4	4	0	0.069	0
cv_udp-3.2-3.wlan7-1.0.0-B	7.939 Mbps	20.047 Kbps	63844	160	0	4	0	0	0

Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 2.4Ghz AX

Assoc/Disassoc: Snapshot AX 2.4Ghz

			Tx-Fail	Tx Link-	Rx Link-			Last CX-	RSSI		

Port	Tx-Bps 1m	Rx-Bps 1m	%	Rate	Rate	Mode	Channel	Time (ms)	(dBm)	AP	IP	MAC
1.3.28 wlan0	20.747 Kbps	4.013 Mbps	9.483	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	2,064	-16	40:ED:00:14:F5:F2	192.168.0.114 e4:60:17:64:e0:33
1.3.29 wlan1	20.826 Kbps	3.975 Mbps	7.965	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	1,665	-16	40:ED:00:14:F5:F2	192.168.0.147 e4:60:17:65:34:7f
1.3.30 wlan2	20.813 Kbps	3.967 Mbps	7.623	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	1,685	-16	40:ED:00:14:F5:F2	192.168.0.194 e4:60:17:64:e0:83
1.3.31 wlan3	20.944 Kbps	3.973 Mbps	5.046	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	995	-16	40:ED:00:14:F5:F2	192.168.0.172 e4:60:17:65:34:98
1.3.32 wlan4	20.929 Kbps	3.97 Mbps	10.823	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	605	-15	40:ED:00:14:F5:F2	192.168.0.175 e4:60:17:65:35:4c
1.3.33 wlan5	20.808 Kbps	3.971 Mbps	10.87	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	256	-14	40:ED:00:14:F5:F2	192.168.0.190 e4:60:17:65:35:5b
1.3.34 wlan6	20.913 Kbps	3.968 Mbps	12.017	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	237	-15	40:ED:00:14:F5:F2	192.168.0.130 e4:60:17:65:35:1f
1.3.35 wlan7	20.903 Kbps	3.971 Mbps	4.651	58.5 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2		6	123	-15	40:ED:00:14:F5:F2	192.168.0.182 e4:60:17:65:34:a2
1.3.36 wlan8	241 bps	1.162 Kbps	22.449	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	123	-23	40:ED:00:14:F5:F2	192.168.0.169 e4:60:17:65:33:e4
1.3.37 wlan9	251 bps	1.224 Kbps	46.053	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	111	-23	40:ED:00:14:F5:F2	192.168.0.195 e4:60:17:65:33:fd
1.3.38 wlan10	259 bps	1.135 Kbps	44.118	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	86	-22	40:ED:00:14:F5:F2	192.168.0.247 e4:60:17:65:34:e3
1.3.39 wlan11	298 bps	1.068 Kbps	48.101	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	84	-23	40:ED:00:14:F5:F2	192.168.0.37 e4:60:17:65:34:11
1.3.40 wlan12	250 bps	1.016 Kbps	27.273	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	80	-23	40:ED:00:14:F5:F2	192.168.0.125 e4:60:17:64:ce:e0
1.3.41 wlan13	237 bps	962 bps	17.391	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	84	-23	40:ED:00:14:F5:F2	192.168.0.209 e4:60:17:64:e0:92
1.3.42 wlan14	268 bps	960 bps	27.778	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	102	-23	40:ED:00:14:F5:F2	192.168.0.99 e4:60:17:64:e0:24
1.3.43 wlan15	239 bps	930 bps	25.49	58.5 Mbps	1 Mbps	802.11bgn-AX 20 2x2		6	205	-23	40:ED:00:14:F5:F2	192.168.0.186 e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	29.109 Mbps	152.688 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency [ms]	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-0-1.0.0-A	20.154 Kbps	3.973 Mbps	160	31814	3	4	0	0	0
cv_udp-3.2-3.wlan0-0-1.0.0-B	3.98 Mbps	20.143 Kbps	31858	160	1	4	3	0	0
cv_udp-3.2-3.wlan1-0-1.0.0-A	20.329 Kbps	3.978 Mbps	161	31859	7	8	0	0	0
cv_udp-3.2-3.wlan1-0-1.0.0-B	3.975 Mbps	20.319 Kbps	31859	161	1	8	3	0	0
cv_udp-3.2-3.wlan2-0-1.0.0-A	20.308 Kbps	3.965 Mbps	161	31814	15	16	0	0	0
cv_udp-3.2-3.wlan2-0-1.0.0-B	3.971 Mbps	20.297 Kbps	31858	161	1	16	2	0	0
cv_udp-3.2-3.wlan3-1-1.0.0-A	20.089 Kbps	3.978 Mbps	160	31901	3	5	0	0	0
cv_udp-3.2-3.wlan3-1-1.0.0-B	3.976 Mbps	20.079 Kbps	31901	160	2	5	4	0	0
cv_udp-3.2-3.wlan4-1-1.0.0-A	19.871 Kbps	3.965 Mbps	160	31856	21	22	0	0.138	0
cv_udp-3.2-3.wlan4-1-1.0.0-B	3.971 Mbps	19.86 Kbps	31900	160	1	22	2	0	0
cv_udp-3.2-3.wlan5-1-1.0.0-A	20.243 Kbps	3.978 Mbps	161	31945	7	9	0	0	0
cv_udp-3.2-3.wlan5-1-1.0.0-B	3.976 Mbps	20.232 Kbps	31945	161	2	9	5	0	0
cv_udp-3.2-3.wlan6-1-1.0.0-A	19.829 Kbps	3.965 Mbps	160	31900	24	26	0	0.138	0
cv_udp-3.2-3.wlan6-1-1.0.0-B	3.97 Mbps	19.985 Kbps	31944	160	2	26	2	0	0
cv_udp-3.2-3.wlan7-1-1.0.0-A	19.974 Kbps	3.985 Mbps	160	31988	10	12	0	0	0
cv_udp-3.2-3.wlan7-1-1.0.0-B	3.975 Mbps	19.964 Kbps	31988	160	2	12	3	0	0

#### Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 5Ghz AX

#### Assoc/Disassoc: Snapshot AX 5Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.8 Kbps	8.19 Mbps	0	245 Mbps	1.081 Gbps	802.11an-AX 160 2x2		36	104	-33	40:ED:00:14:F5:F3	192.168.0.114 e4:60:17:64:e0:33
1.3.29 wlan1	20.781 Kbps	8.187 Mbps	0.943	245 Mbps	1.081 Gbps	802.11an-AX 80 2x2		36	1,661	-33	40:ED:00:14:F5:F3	192.168.0.147 e4:60:17:65:34:7f
1.3.30 wlan2	20.731 Kbps	8.185 Mbps	0	245 Mbps	1.201 Gbps	802.11an-AX 80 2x2		36	1,656	-33	40:ED:00:14:F5:F3	192.168.0.194 e4:60:17:64:e0:83
1.3.31 wlan3	20.881 Kbps	8.19 Mbps	0.474	245 Mbps	1.201 Gbps	802.11an-AX 80 2x2		36	137	-33	40:ED:00:14:F5:F3	192.168.0.172 e4:60:17:65:34:98

1.3.32 wlan4	20.863 Kbps	8.183 Mbps	0	245 Mbps	1.081 Gbps	802.11an- AX 80 2x2	36	171	-30	40:ED:00:14:F5:F3	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.753 Kbps	8.171 Mbps	1.429	245 Mbps	1.201 Gbps	802.11an- AX 80 2x2	36	170	-31	40:ED:00:14:F5:F3	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	20.78 Kbps	8.18 Mbps	0	245 Mbps	1.201 Gbps	802.11an- AX 160 2x2	36	90	-30	40:ED:00:14:F5:F3	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.78 Kbps	8.187 Mbps	0	245 Mbps	1.201 Gbps	802.11an- AX 80 2x2	36	176	-30	40:ED:00:14:F5:F3	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	375 bps	1.505 Kbps	0	245 Mbps	720.6 Mbps	802.11an- AX 160 2x2	36	101	-36	40:ED:00:14:F5:F3	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	394 bps	1.571 Kbps	0	245 Mbps	720.6 Mbps	802.11an- AX 160 2x2	36	91	-36	40:ED:00:14:F5:F3	192.168.0.195	e4:60:17:65:33:fd
1.3.38 wlan10	340 bps	1.451 Kbps	0	245 Mbps	720.6 Mbps	802.11an- AX 160 2x2	36	92	-36	40:ED:00:14:F5:F3	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	373 bps	1.383 Kbps	0	245 Mbps	720.6 Mbps	802.11an- AX 160 2x2	36	89	-36	40:ED:00:14:F5:F3	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	340 bps	1.321 Kbps	26.667	245 Mbps	648.5 Mbps	802.11an- AX 160 2x2	36	92	-36	40:ED:00:14:F5:F3	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	397 bps	1.382 Kbps	26.667	245 Mbps	648.5 Mbps	802.11an- AX 160 2x2	36	88	-36	40:ED:00:14:F5:F3	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	327 bps	1.388 Kbps	28.814	245 Mbps	648.5 Mbps	802.11an- AX 160 2x2	36	91	-36	40:ED:00:14:F5:F3	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	352 bps	1.355 Kbps	0	245 Mbps	648.5 Mbps	802.11an- AX 160 2x2	36	104	-36	40:ED:00:14:F5:F3	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	63.592 Mbps	165.847 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-1-0.0-A	19.86 Kbps	7.943 Mbps	159	63406	2	2	0	0.069	0
cv_udp-3.2-3.wlan0-1-0.0-B	7.947 Mbps	19.85 Kbps	63450	159	0	2	0	0	0
cv_udp-3.2-3.wlan1-1-0.0-A	19.84 Kbps	7.943 Mbps	159	63450	4	4	0	0	0
cv_udp-3.2-3.wlan1-1-0.0-B	7.939 Mbps	19.829 Kbps	63450	159	0	4	0	0	0
cv_udp-3.2-3.wlan2-1-0.0-A	19.985 Kbps	7.932 Mbps	159	63450	6	6	0	0.069	0
cv_udp-3.2-3.wlan2-1-0.0-B	7.936 Mbps	19.974 Kbps	63494	159	0	6	0	0	0
cv_udp-3.2-3.wlan3-1-0.0-A	19.964 Kbps	7.941 Mbps	159	63537	2	2	0	0	0
cv_udp-3.2-3.wlan3-1-0.0-B	7.936 Mbps	19.953 Kbps	63537	159	0	2	0	0	0
cv_udp-3.2-3.wlan4-1-0.0-A	19.942 Kbps	7.941 Mbps	159	63536	9	9	0	0.069	0
cv_udp-3.2-3.wlan4-1-0.0-B	7.937 Mbps	19.932 Kbps	63580	159	0	9	0	0	0
cv_udp-3.2-3.wlan5-1-0.0-A	19.724 Kbps	7.941 Mbps	159	63625	3	3	0	0	0
cv_udp-3.2-3.wlan5-1-0.0-B	7.937 Mbps	19.713 Kbps	63625	159	0	3	0	0	0
cv_udp-3.2-3.wlan6-1-0.0-A	19.9 Kbps	7.941 Mbps	159	63624	9	9	0	0	0
cv_udp-3.2-3.wlan6-1-0.0-B	7.937 Mbps	19.889 Kbps	63668	159	0	9	0	0	0
cv_udp-3.2-3.wlan7-1-0.0-A	19.879 Kbps	7.941 Mbps	159	63668	3	3	0	0	0
cv_udp-3.2-3.wlan7-1-0.0-B	7.937 Mbps	19.868 Kbps	63668	159	0	3	0	0	0

Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 6Ghz AXe

### Assoc/Disassoc: Snapshot AXe 6Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.62 Kbps	15.841 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	96	-37	52:ED:00:14:F5:F4	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	20.892 Kbps	15.842 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	97	-37	52:ED:00:14:F5:F4	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	20.94 Kbps	15.84 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	86	-37	52:ED:00:14:F5:F4	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.805 Kbps	15.839 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	98	-37	52:ED:00:14:F5:F4	192.168.0.172	e4:60:17:65:34:98

1.3.32 wlan4	20.789 Kbps	15.838 Mbps	0	490 Mbps	2.402 Gbps	AX 160 2x2	259	125	-37	52:ED:00:14:F5:F4	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.892 Kbps	15.836 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	94	-37	52:ED:00:14:F5:F4	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	21.005 Kbps	15.835 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	107	-36	52:ED:00:14:F5:F4	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	21.01 Kbps	15.822 Mbps	0	490 Mbps	2.402 Gbps	802.11a- AX 160 2x2	259	91	-36	52:ED:00:14:F5:F4	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	250 bps	1.196 Kbps	5.769	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	102	-61	52:ED:00:14:F5:F4	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	221 bps	1.072 Kbps	0	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	97	-61	52:ED:00:14:F5:F4	192.168.0.195	e4:60:17:65:33:fd
1.3.38 wlan10	250 bps	1.037 Kbps	0	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	121	-61	52:ED:00:14:F5:F4	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	307 bps	1.059 Kbps	10.526	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	132	-61	52:ED:00:14:F5:F4	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	250 bps	1.081 Kbps	0	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	104	-61	52:ED:00:14:F5:F4	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	250 bps	1.049 Kbps	2	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	159	-61	52:ED:00:14:F5:F4	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	216 bps	878 bps	4.762	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	110	-61	52:ED:00:14:F5:F4	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	216 bps	901 bps	0	29.2 Mbps	7.3 Mbps	802.11a- AX 160 2x2	259	101	-61	52:ED:00:14:F5:F4	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	126.139 Mbps	164.921 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-1.0.0-A	19.981 Kbps	15.869 Mbps	159	126988	2	2	0	0.035	0
cv_udp-3.2-3.wlan0-1.0.0-B	15.869 Mbps	19.97 Kbps	127032	159	0	2	0	0	0
cv_udp-3.2-3.wlan1-1.0.0-A	19.959 Kbps	15.852 Mbps	159	126985	1	1	0	0.035	0
cv_udp-3.2-3.wlan1-1.0.0-B	15.852 Mbps	19.949 Kbps	127029	159	0	1	0	0	0
cv_udp-3.2-3.wlan2-1.0.0-A	20.135 Kbps	15.87 Mbps	160	127075	3	3	0	0.035	0
cv_udp-3.2-3.wlan2-1.0.0-B	15.87 Mbps	20.125 Kbps	127119	160	0	3	0	0	0
cv_udp-3.2-3.wlan3-1.0.0-A	20.114 Kbps	15.853 Mbps	160	127161	4	5	0	0.035	0
cv_udp-3.2-3.wlan3-1.0.0-B	15.853 Mbps	20.103 Kbps	127205	160	1	5	3	0	0
cv_udp-3.2-3.wlan4-1.0.0-A	19.895 Kbps	15.87 Mbps	160	127249	3	3	0	0.035	0
cv_udp-3.2-3.wlan4-1.0.0-B	15.87 Mbps	19.885 Kbps	127293	160	0	3	0	0	0
cv_udp-3.2-3.wlan5-1.0.0-A	19.874 Kbps	15.853 Mbps	160	127337	4	5	0	0.035	0
cv_udp-3.2-3.wlan5-1.0.0-B	15.854 Mbps	19.864 Kbps	127381	160	1	5	3	0	0
cv_udp-3.2-3.wlan6-1.0.0-A	20.05 Kbps	15.871 Mbps	160	127425	4	4	0	0.035	0
cv_udp-3.2-3.wlan6-1.0.0-B	15.871 Mbps	20.039 Kbps	127469	160	0	4	0	0	0
cv_udp-3.2-3.wlan7-1.0.0-A	20.225 Kbps	15.854 Mbps	161	127380	3	4	0	0	0
cv_udp-3.2-3.wlan7-1.0.0-B	15.857 Mbps	20.186 Kbps	127424	161	1	4	2	0	0

#### Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 2.4Ghz BE

#### Assoc/Disassoc: Snapshot BE 2.4Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.794 Kbps	4.092 Mbps	0	68.8 Mbps	344.1 Mbps	802.11bgn- BE 20 2x2	6	1,968	-17	40:ED:00:14:F5:F2	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	20.848 Kbps	3.967 Mbps	1.869	68.8 Mbps	344.1 Mbps	802.11bgn- BE 20 2x2	6	2,003	-17	40:ED:00:14:F5:F2	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	21.108 Kbps	3.963 Mbps	2.778	68.8 Mbps	344.1 Mbps	802.11bgn- BE 20 2x2	6	1,602	-17	40:ED:00:14:F5:F2	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.716 Kbps	3.971 Mbps	3.302	68.8 Mbps	344.1 Mbps	802.11bgn- BE 20 2x2	6	1,246	-17	40:ED:00:14:F5:F2	192.168.0.172	e4:60:17:65:34:98
1.3.32 wlan4	20.948 Kbps	3.967 Mbps	5.505	68.8 Mbps	344.1 Mbps	802.11bgn- BE 20 2x2	6	525	-16	40:ED:00:14:F5:F2	192.168.0.175	e4:60:17:65:35:4c

1.3.33 wlan5	20.805 Kbps	3.97 Mbps	2.381	68.8 Mbps	344.1 Mbps	802.11bgn-BE 20 2x2	6	492	-16	40:ED:00:14:F5:F2	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	20.921 Kbps	3.967 Mbps	4.167	68.8 Mbps	344.1 Mbps	802.11bgn-BE 20 2x2	6	151	-16	40:ED:00:14:F5:F2	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.798 Kbps	3.967 Mbps	4.63	68.8 Mbps	344.1 Mbps	802.11bgn-BE 20 2x2	6	164	-16	40:ED:00:14:F5:F2	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	273 bps	1.185 Kbps	37.5	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	219	-23	40:ED:00:14:F5:F2	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	241 bps	1.214 Kbps	8.889	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	113	-23	40:ED:00:14:F5:F2	192.168.0.195	e4:60:17:65:33:fd
1.3.38 wlan10	271 bps	1.179 Kbps	18	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	94	-22	40:ED:00:14:F5:F2	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	271 bps	1.086 Kbps	33.333	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	100	-23	40:ED:00:14:F5:F2	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	271 bps	1.115 Kbps	25	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	92	-23	40:ED:00:14:F5:F2	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	242 bps	1.054 Kbps	25	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	86	-23	40:ED:00:14:F5:F2	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	271 bps	984 bps	29.091	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	125	-23	40:ED:00:14:F5:F2	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	306 bps	1.005 Kbps	30	68.8 Mbps	1 Mbps	802.11bgn-BE 20 2x2	6	115	-23	40:ED:00:14:F5:F2	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	31.952 Mbps	164.251 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0-1.0.0-A	19.638 Kbps	3.975 Mbps	159	31771	11	12	0	0	0
cv_udp-3.2-3.wlan0-1.0.0-B	3.973 Mbps	19.627 Kbps	31771	159	1	12	0	0	0
cv_udp-3.2-3.wlan1-1.0.0-A	19.98 Kbps	3.978 Mbps	159	31814	5	6	0	0	0
cv_udp-3.2-3.wlan1-1.0.0-B	3.976 Mbps	19.969 Kbps	31814	159	1	6	1	0	0
cv_udp-3.2-3.wlan2-1.0.0-A	20.156 Kbps	3.965 Mbps	160	31770	13	14	0	0	0
cv_udp-3.2-3.wlan2-1.0.0-B	3.963 Mbps	20.145 Kbps	31770	160	1	14	1	0	0
cv_udp-3.2-3.wlan3-1.0.0-A	19.74 Kbps	3.973 Mbps	159	31836	16	17	0	0.069	0
cv_udp-3.2-3.wlan3-1.0.0-B	3.976 Mbps	19.729 Kbps	31858	159	1	17	0	0	0
cv_udp-3.2-3.wlan4-1.0.0-A	20.113 Kbps	3.965 Mbps	160	31812	8	9	0	0	0
cv_udp-3.2-3.wlan4-1.0.0-B	3.963 Mbps	20.102 Kbps	31812	160	1	9	2	0	0
cv_udp-3.2-3.wlan5-1.0.0-A	20.092 Kbps	3.978 Mbps	160	31902	18	19	0	0	0
cv_udp-3.2-3.wlan5-1.0.0-B	3.976 Mbps	20.081 Kbps	31902	160	1	19	1	0	0
cv_udp-3.2-3.wlan6-1.0.0-A	19.873 Kbps	3.965 Mbps	160	31857	12	13	0	0	0
cv_udp-3.2-3.wlan6-1.0.0-B	3.963 Mbps	19.863 Kbps	31857	160	1	13	0	0	0
cv_udp-3.2-3.wlan7-1.0.0-A	19.852 Kbps	3.97 Mbps	160	31857	29	30	0	0	0
cv_udp-3.2-3.wlan7-1.0.0-B	3.976 Mbps	19.842 Kbps	31900	160	1	30	1	0	0

Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 5Ghz BE

Assoc/Disassoc: Snapshot BE 5Ghz

Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.85 Kbps	8.191 Mbps	1.835	288.2 Mbps	324.2 Mbps	802.11an-BE 80 2x2	36	1,556	-33	40:ED:00:14:F5:F3	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	20.914 Kbps	7.924 Mbps	0	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	1,977	-33	40:ED:00:14:F5:F3	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	20.755 Kbps	7.971 Mbps	0	288.2 Mbps	1.081 Gbps	802.11an-BE 80 2x2	36	1,562	-33	40:ED:00:14:F5:F3	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.734 Kbps	7.97 Mbps	0.476	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	888	-34	40:ED:00:14:F5:F3	192.168.0.172	e4:60:17:65:34:98
1.3.32 wlan4	20.845 Kbps	7.969 Mbps	0.474	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	1,557	-30	40:ED:00:14:F5:F3	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.961 Kbps	7.958 Mbps	1.402	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	109	-31	40:ED:00:14:F5:F3	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	20.956 Kbps	7.973 Mbps	0	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	103	-31	40:ED:00:14:F5:F3	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.802 Kbps	7.963 Mbps	0	288.2 Mbps	1.201 Gbps	802.11an-BE 80 2x2	36	152	-30	40:ED:00:14:F5:F3	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	366 bps	1.316 Kbps	0	288.2 Mbps	864.8 Mbps	802.11an-BE 160 2x2	36	101	-36	40:ED:00:14:F5:F3	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	325 bps	1.366 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 160 2x2	36	91	-36	40:ED:00:14:F5:F3	192.168.0.195	e4:60:17:65:33:fd

1.3.38 wlan10	294 bps	1.316 Kbps	2.381	288.2 Mbps	6 Mbps	802.11an-BE 160x2x2	36	104	-36	40:ED:00:14:F5:F3	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	294 bps	1.3 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 160x2x2	36	99	-36	40:ED:00:14:F5:F3	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	254 bps	1.223 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 160x2x2	36	92	-36	40:ED:00:14:F5:F3	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	262 bps	1.22 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 160x2x2	36	97	-36	40:ED:00:14:F5:F3	192.168.0.209	e4:60:17:64:e0:92
1.3.42 wlan14	294 bps	1.189 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 80x2x2	36	126	-36	40:ED:00:14:F5:F3	192.168.0.99	e4:60:17:64:e0:24
1.3.43 wlan15	262 bps	1.195 Kbps	0	288.2 Mbps	6 Mbps	802.11an-BE 80x2x2	36	127	-36	40:ED:00:14:F5:F3	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	64.065 Mbps	162.766 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	TX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-3.wlan0--1.0.0-A	20.322 Kbps	7.944 Mbps	161	63671	4	4	0	0	0
cv_udp-3.2-3.wlan0--1.0.0-B	7.948 Mbps	20.311 Kbps	63715	161	0	4	0	0	0
cv_udp-3.2-3.wlan1--1.0.0-A	20.103 Kbps	7.935 Mbps	160	63670	2	3	0	0	0
cv_udp-3.2-3.wlan1--1.0.0-B	7.931 Mbps	20.093 Kbps	63670	160	1	3	3	0	0
cv_udp-3.2-3.wlan2--1.0.0-A	20.279 Kbps	7.935 Mbps	161	63715	6	6	0	0	0
cv_udp-3.2-3.wlan2--1.0.0-B	7.94 Mbps	20.268 Kbps	63759	161	0	6	0	0	0
cv_udp-3.2-3.wlan3--1.0.0-A	20.061 Kbps	7.936 Mbps	160	63758	3	4	0	0	0
cv_udp-3.2-3.wlan3--1.0.0-B	7.932 Mbps	20.05 Kbps	63758	160	1	4	3	0	0
cv_udp-3.2-3.wlan4--1.0.0-A	20.04 Kbps	7.936 Mbps	160	63801	8	8	0	0.069	0
cv_udp-3.2-3.wlan4--1.0.0-B	7.94 Mbps	20.029 Kbps	63845	160	0	8	0	0	0
cv_udp-3.2-3.wlan5--1.0.0-A	19.989 Kbps	7.924 Mbps	160	63756	2	3	0	0	0
cv_udp-3.2-3.wlan5--1.0.0-B	7.92 Mbps	19.978 Kbps	63756	160	1	3	3	0	0
cv_udp-3.2-3.wlan6--1.0.0-A	19.967 Kbps	7.942 Mbps	160	63888	8	8	0	0.069	0
cv_udp-3.2-3.wlan6--1.0.0-B	7.938 Mbps	19.957 Kbps	63932	160	0	8	0	0	0
cv_udp-3.2-3.wlan7--1.0.0-A	19.946 Kbps	7.925 Mbps	160	63844	3	4	0	0	0
cv_udp-3.2-3.wlan7--1.0.0-B	7.921 Mbps	19.935 Kbps	63844	160	1	4	5	0	0

Collected CSV Data: CSV: 6.4.2 Multiple Association / Disassociation Stability Test 6Ghz BE

### Assoc/Disassoc: Snapshot BE 6Ghz

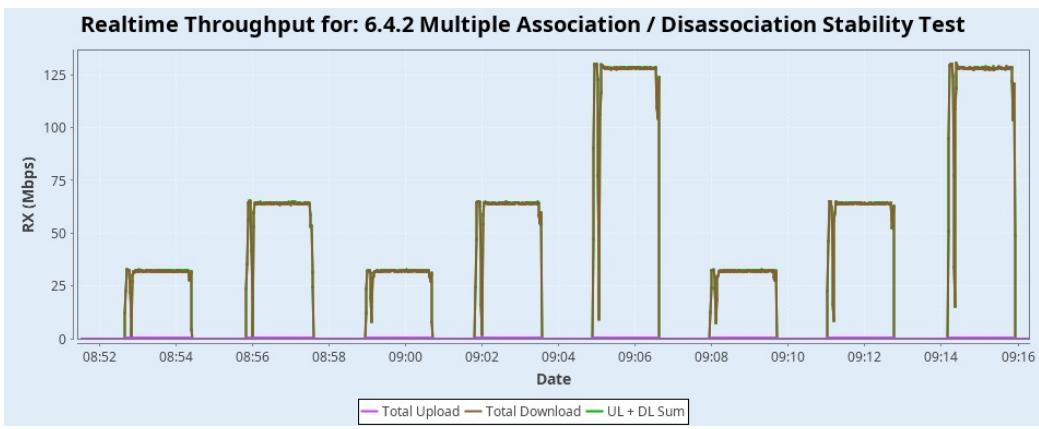
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.3.28 wlan0	20.519 Kbps	15.856 Mbps	0.483	1152.9 Mbps	2.402 Gbps	802.11a-BE 320x2x2	259	102	-38	52:ED:00:14:F5:F4	192.168.0.114	e4:60:17:64:e0:33
1.3.29 wlan1	20.493 Kbps	15.889 Mbps	0	1152.9 Mbps	2.882 Gbps	802.11a-BE 320x2x2	259	112	-38	52:ED:00:14:F5:F4	192.168.0.147	e4:60:17:65:34:7f
1.3.30 wlan2	20.78 Kbps	15.879 Mbps	0	1152.9 Mbps	2.594 Gbps	802.11a-BE 320x2x2	259	144	-38	52:ED:00:14:F5:F4	192.168.0.194	e4:60:17:64:e0:83
1.3.31 wlan3	20.765 Kbps	15.883 Mbps	0	1152.9 Mbps	2.594 Gbps	802.11a-BE 320x2x2	259	114	-38	52:ED:00:14:F5:F4	192.168.0.172	e4:60:17:65:34:98
1.3.32 wlan4	20.75 Kbps	15.881 Mbps	0	1152.9 Mbps	2.882 Gbps	802.11a-BE 320x2x2	259	113	-37	52:ED:00:14:F5:F4	192.168.0.175	e4:60:17:65:35:4c
1.3.33 wlan5	20.73 Kbps	15.88 Mbps	0.976	1152.9 Mbps	2.594 Gbps	802.11a-BE 320x2x2	259	106	-37	52:ED:00:14:F5:F4	192.168.0.190	e4:60:17:65:35:5b
1.3.34 wlan6	20.832 Kbps	15.874 Mbps	0	1152.9 Mbps	2.882 Gbps	802.11a-BE 320x2x2	259	103	-37	52:ED:00:14:F5:F4	192.168.0.130	e4:60:17:65:35:1f
1.3.35 wlan7	20.824 Kbps	15.874 Mbps	0	1152.9 Mbps	2.594 Gbps	802.11a-BE 320x2x2	259	104	-38	52:ED:00:14:F5:F4	192.168.0.182	e4:60:17:65:34:a2
1.3.36 wlan8	251 bps	1.138 Kbps	9.524	34.4 Mbps	7.3 Mbps	802.11a-BE 320x2x2	259	124	-60	52:ED:00:14:F5:F4	192.168.0.169	e4:60:17:65:33:e4
1.3.37 wlan9	281 bps	1.117 Kbps	2.174	34.4 Mbps	7.3 Mbps	802.11a-BE 320x2x2	259	127	-60	52:ED:00:14:F5:F4	192.168.0.195	e4:60:17:65:33:fd

1.3.38 wlan10	222 bps	1.063 Kbps	0	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	116	-60	52:ED:00:14:F5:F4	192.168.0.247	e4:60:17:65:34:e3
1.3.39 wlan11	249 bps	966 bps	15.556	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	115	-60	52:ED:00:14:F5:F4	192.168.0.37	e4:60:17:65:34:11
1.3.40 wlan12	276 bps	1.044 Kbps	4.878	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	132	-60	52:ED:00:14:F5:F4	192.168.0.125	e4:60:17:64:ce:e0
1.3.41 wlan13	223 bps	996 bps	11.905	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	147	-60	52:ED:00:14:F5:F4	192.168.0.209	e4:60:17:64:ee:92
1.3.42 wlan14	220 bps	977 bps	15.217	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	149	-60	52:ED:00:14:F5:F4	192.168.0.99	e4:60:17:64:ee:24
1.3.43 wlan15	222 bps	824 bps	9.524	34.4 Mbps	7.3 Mbps	802.11a- BE 320 2x2	259	114	-60	52:ED:00:14:F5:F4	192.168.0.186	e4:60:17:64:df:ca

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	128.332 Mbps	166.227 Kbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	TX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp_3-2.3.wlan0-1.0.0-A	19.903 Kbps	15.841 Mbps	159	126986	3		3	0	0
cv_udp_3-2.3.wlan0-1.0.0-B	15.876 Mbps	19.892 Kbps	127208	159	0		3	0	0
cv_udp_3-2.3.wlan1-1.0.0-A	19.685 Kbps	15.877 Mbps	159	127252	1		1	0	0
cv_udp_3-2.3.wlan1-1.0.0-B	15.877 Mbps	19.674 Kbps	127295	159	0		1	0	0
cv_udp_3-2.3.wlan2-1.0.0-A	19.86 Kbps	15.842 Mbps	160	127114	5		5	0	0.176
cv_udp_3-2.3.wlan2-1.0.0-B	15.877 Mbps	19.85 Kbps	127338	160	0		5	0	0
cv_udp_3-2.3.wlan3-1.0.0-A	20.232 Kbps	15.877 Mbps	161	127427	3		4	0	0.035
cv_udp_3-2.3.wlan3-1.0.0-B	15.877 Mbps	20.221 Kbps	127471	161	1		4	2	0
cv_udp_3-2.3.wlan4-1.0.0-A	20.182 Kbps	15.837 Mbps	161	127294	6		7	0	0.173
cv_udp_3-2.3.wlan4-1.0.0-B	15.872 Mbps	20.171 Kbps	127514	161	1		7	1	0
cv_udp_3-2.3.wlan5-1.0.0-A	20.16 Kbps	15.872 Mbps	161	127515	3		4	0	0.034
cv_udp_3-2.3.wlan5-1.0.0-B	15.872 Mbps	20.15 Kbps	127559	161	1		4	0	0
cv_udp_3-2.3.wlan6-1.0.0-A	19.941 Kbps	15.846 Mbps	160	127512	1		1	0	0.139
cv_udp_3-2.3.wlan6-1.0.0-B	15.872 Mbps	19.931 Kbps	127690	160	0		1	1	0
cv_udp_3-2.3.wlan7-1.0.0-A	19.723 Kbps	15.873 Mbps	160	127690	3		3	0	0.034
cv_udp_3-2.3.wlan7-1.0.0-B	15.873 Mbps	19.712 Kbps	127734	160	0		3	0	0

Realtime Throughput for: 6.4.2 Multiple Association / Disassociation Stability Test



## Key Performance Indicators CSV

Test configuration and LANforge software version	
Auto-Helper	true
Allow-11w (MFP/PMF)	false
SAE-PWE	2
Disable-MLO	true
Extra TxStatus	false

Extra RxStatus	false
TXS All	false
Skip 2.4Ghz Tests	false
Skip 5Ghz Tests	false
Duration-120	20
Duration-60	20
Channel 2Ghz	AUTO
Channel 5Ghz	AUTO
Calibrate against LANforge AP	true
Adjust UL Atten with DUT TxPower	false
Adjust UL Atten with STA TxPower	false
Attenuation Adjustment	0
Extra Download Path-loss	0
TX Power	20
DUT TX Power 2.4G	30
DUT TX Power 5G	30
LANforge Calibration TxPower-2.4G	20
LANforge Calibration TxPower-5G	20
Multi-Conn	10
UDP-Burst	true
UDP-GRO	true
Multiple Endpoints:	2
ToS	0
Pld Pattern	RANDOM_FIXED
UDP Send Buffer Size:	0
UDP Receive Buffer Size:	0
TCP Send Buffer Size:	0
TCP Receive Buffer Size:	0
Upstream Port	1.3.2 eth2 Firmware: 0x80000aef, 1.1876.0 Resource: ct523c-2103
Alien Upstream Port	1.1.2 eth2 Firmware: 0x80000c67, 1.1276.0 Resource: ct523c-0b0b
Turn-Table Chamber	840B-Default-Chamber
Configured 2m 2.4Ghz RSSI	-25
Configured 2m 5Ghz RSSI	-30
Use Virtual AX Stations	false
Use AX Radios for AC tests	true
Virt-Sta Rotation 2.4Ghz	0
Virt-Sta Rotation 5Ghz	0
AX Rotation 2.4Ghz	0
AX Rotation 5Ghz	0

Opposite-Speed:	20000
1Gbps Throughput Limit:	925000000
Assoc/Disassoc Traffic %:	99
Background Scan Module	simple
Background Short Interval	30
Background Long Interval	300
Background RSSI Threshold	-65
Mesh Settle Time:	60
Starting Low Atten:	30
Starting Max Atten:	70
AX Radio 0	1.3.wiphy0 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 1	1.3.wiphy1 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 2	1.3.wiphy2 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 3	1.3.wiphy3 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 4	1.3.wiphy4 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 5	1.3.wiphy5 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 6	1.3.wiphy6 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 7	1.3.wiphy7 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 8	1.3.wiphy8 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 9	1.3.wiphy9 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 10	1.3.wiphy10 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 11	1.3.wiphy11 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 12	1.3.wiphy12 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 13	1.3.wiphy13 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 14	1.3.wiphy14 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
AX Radio 15	1.3.wiphy15 Firmware: jenkins-Core_manual_signed_core Resource: ct523c-2103
Attenuator 0	rssi-0-2.4Ghz: -26 rssi-0-5Ghz: -47 atten: 1.2.3343.0
Attenuator 1	rssi-0-2.4Ghz: -26 rssi-0-5Ghz: -47 atten: 1.2.3343.1
Attenuator 4	rssi-0-2.4Ghz: -19 rssi-0-5Ghz: -36 atten: 1.2.3342.0
Attenuator 5	rssi-0-2.4Ghz: -19 rssi-0-5Ghz: -36 atten: 1.2.3342.1
Attenuator 8	rssi-0-2.4Ghz: -23 rssi-0-5Ghz: -33 atten: 1.2.3340.0

Attenuator 9	rssi-0-2.4Ghz: -23 rssi-0-5Ghz: -33 atten: 1.2.3340.1
Attenuator 10	rssi-0-2.4Ghz: -23 rssi-0-5Ghz: -33 atten: 1.2.3340.2
Attenuator 11	rssi-0-2.4Ghz: -23 rssi-0-5Ghz: -33 atten: 1.2.3340.3
AX Attenuator 0	AX rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -36 atten: 1.2.3348.0
AX Attenuator 1	AX rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -36 atten: 1.2.3348.1
AX Attenuator 4	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3348.2
AX Attenuator 5	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3348.3
AX Attenuator 8	AX rssi-0-2.4Ghz: -34 rssi-0-5Ghz: -44 atten: 1.2.3300.0
AX Attenuator 9	AX rssi-0-2.4Ghz: -34 rssi-0-5Ghz: -44 atten: 1.2.3300.1
AX Attenuator 10	AX rssi-0-2.4Ghz: -34 rssi-0-5Ghz: -44 atten: 1.2.3300.2
AX Attenuator 11	AX rssi-0-2.4Ghz: -34 rssi-0-5Ghz: -44 atten: 1.2.3300.3
AX Attenuator 24	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3300.2
AX Attenuator 26	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3300.3
AX Attenuator 28	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3300.2
AX Attenuator 30	AX rssi-0-2.4Ghz: -33 rssi-0-5Ghz: -35 atten: 1.2.3300.3
Mesh Attenuator 0	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten: 1.2.3340.0
Mesh Attenuator 1	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten: 1.2.3340.1
Mesh Attenuator 2	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten: 1.2.3340.2
Mesh Attenuator 3	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten: 1.2.3340.3
Mesh Attenuator 4	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 5	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 6	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 7	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 8	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 9	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 10	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 11	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 12	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 13	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 14	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 15	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 16	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 17	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 18	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 19	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 20	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 21	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 22	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Mesh Attenuator 23	Mesh rssi-0-2.4Ghz: -25 rssi-0-5Ghz: -30 atten:
Details for Resource: 1.1	Hostname: ct523c-0b0b LANforge ver: 5.4.7 64bit Kernel-Version: 6.7.0-rc1+
Details for Resource: 1.3	Hostname: ct523c-2103 LANforge ver: 5.4.7 64bit Kernel-Version:

	6.7.0-rc3+
Details for Resource: 1.4	Hostname: ct523c-ccbc LANforge ver: 5.4.7 64bit Kernel-Version: 6.7.0-rc1+
Show Events	true
Build Date	Wed Dec 6 08:46:39 AM PST 2023
Git Version	d8afa6844235b5bb950c67f424c1ab92d77d42bb

[CSV Data](#)

[META Information for TR-398 Issue 4](#)

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