

# TR-398 Issue 4

## WiFi Performance Test Plan

Mon Dec 18 08:52:56 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	1.4 h	
Actual Run Time	1.437 h	

## 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
6.2.5 Bidirectional UDP Throughput Test	2.4Ghz FAIL 5Ghz FAIL 6Ghz FAIL	0	1.427 h	N 2.4Ghz passed 0 / 3 AC 5Ghz passed 0 / 3 AX 2.4Ghz passed 0 / 3 AX 5Ghz passed 0 / 3 AX 6Ghz-160 passed 0 / 3 BE 2.4Ghz passed 0 / 3 BE 5Ghz passed 0 / 3 BE 6Ghz passed 0 / 3

### 6.2.5 Bidirectional UDP Throughput Test

## Summary

The Bidirectional throughput test intends to measure the maximum throughput performance of the DUT with a single station active and both upload and download traffic running. The test is run at 3 different attenuations to ensure the AP performs well at various distances. The test uses TCP to determine maximum speed, then runs UDP traffic bi-directional at slightly under max TCP speed.

## Test Procedure

These steps are done for 2.4Ghz, 5Ghz and 6Ghz bands, in N/AC mode and then in AX mode. Stations are set to 2 spatial streams.

1. Configure stations for N/AC mode.
2. Set attenuator to 12 for 2.4Ghz 'close' value.
3. Establish the LAN connection, create 1 station and allow the station to associate with the DUT.
4. Measure the downlink TCP throughput, using a test time of 120 seconds.
5. Measure the uplink TCP throughput, using a test time of 120 seconds.
6. Create bi-directional UDP connection that uses 45% of TCP throughput, using a test time of 120 seconds.
7. Record packet loss in each direction.
8. Repeat these steps for attenuation: 2m + 30, 43 for 2.4Ghz
9. Repeat these steps for attenuation: 2m + 6, 24, 39 for 5Ghz.
10. Repeat these steps for attenuation: 2m + 0, 15, 27 for 6Ghz.
11. Repeat these steps for AX mode.

## Pass/Fail Criteria

1. For each of the test configuration, Packet Error Rate (PER) for each STA SHALL achieve less than .01%.

## Candela Score

The Candela Score for Bidirectional Throughput Test is calculated as the percentage of passing subtests.

## 6.2.5 Bidirectional UDP Throughput Test Results

Type	Result	Value	P/F Value	Notes
N 2.4Ghz BW: 20 Attenuation: 12	INFO	105.08 Mbps		TCP Download: 105.08 Mbps
N 2.4Ghz BW: 20 Attenuation: 12	INFO	99.41 Mbps		TCP Upload: 99.41 Mbps
DL: N 2.4Ghz BW: 20 Attenuation: 12	PASS	0	0.010	TCP DL: 105.08 Mbps TCP UL: 99.41 Mbps Requested UDP DL: 47.29 Mbps UL: 44.74 Mbps Actual DL: 46.93 Mbps UL: 44.43 Mbps DL Drop: 0% UL Drop: 0.966% STA-RSSI Data/Beacon: -32/-26 Rx-Rate: 144.4M Tx-Rate: 144.4M 802.11bgn-20-2x2
UL: N 2.4Ghz BW: 20 Attenuation: 12	FAIL	0.966	0.010	TCP DL: 105.08 Mbps TCP UL: 99.41 Mbps Requested UDP DL: 47.29 Mbps UL: 44.74 Mbps Actual DL: 46.93 Mbps UL: 44.43 Mbps DL Drop: 0% UL Drop: 0.966% STA-RSSI Data/Beacon: -32/-26 Rx-Rate: 144.4M Tx-Rate: 144.4M 802.11bgn-20-2x2
N 2.4Ghz BW: 20 Attenuation: 30	INFO	105.32 Mbps		TCP Download: 105.32 Mbps

N 2.4Ghz BW: 20 Attenuation: 30	INFO	97.20 Mbps		TCP Upload: 97.20 Mbps
DL: N 2.4Ghz BW: 20 Attenuation: 30	FAIL	0.017	0.010	TCP DL: 105.32 Mbps TCP UL: 97.20 Mbps Requested UDP DL: 47.39 Mbps UL: 43.74 Mbps Actual DL: 47.22 Mbps UL: 43.44 Mbps DL Drop: 0.017% UL Drop: 0.012% STA-RSSI Data/Beacon: -49/-46 Rx-Rate: 144.4M Tx-Rate: 144.4M 802.11bgn-20-2x2
UL: N 2.4Ghz BW: 20 Attenuation: 30	FAIL	0.012	0.010	TCP DL: 105.32 Mbps TCP UL: 97.20 Mbps Requested UDP DL: 47.39 Mbps UL: 43.74 Mbps Actual DL: 47.22 Mbps UL: 43.44 Mbps DL Drop: 0.017% UL Drop: 0.012% STA-RSSI Data/Beacon: -49/-46 Rx-Rate: 144.4M Tx-Rate: 144.4M 802.11bgn-20-2x2
N 2.4Ghz BW: 20 Attenuation: 43	INFO	76.91 Mbps		TCP Download: 76.91 Mbps
N 2.4Ghz BW: 20 Attenuation: 43	INFO	80.52 Mbps		TCP Upload: 80.52 Mbps
DL: N 2.4Ghz BW: 20 Attenuation: 43	PASS	0	0.010	TCP DL: 76.91 Mbps TCP UL: 80.52 Mbps Requested UDP DL: 34.61 Mbps UL: 36.24 Mbps Actual DL: 34.41 Mbps UL: 26.79 Mbps DL Drop: 0% UL Drop: 1.235% STA-RSSI Data/Beacon: -63/-59 Rx-Rate: 130M Tx-Rate: 144.4M 802.11bgn-20-2x2
UL: N 2.4Ghz BW: 20 Attenuation: 43	FAIL	1.235	0.010	TCP DL: 76.91 Mbps TCP UL: 80.52 Mbps Requested UDP DL: 34.61 Mbps UL: 36.24 Mbps Actual DL: 34.41 Mbps UL: 26.79 Mbps DL Drop: 0% UL Drop: 1.235% STA-RSSI Data/Beacon: -63/-59 Rx-Rate: 130M Tx-Rate: 144.4M 802.11bgn-20-2x2
AC 5Ghz BW: 80 Attenuation: 6	INFO	502.72 Mbps		TCP Download: 502.72 Mbps
AC 5Ghz BW: 80 Attenuation: 6	INFO	701.95 Mbps		TCP Upload: 701.95 Mbps
DL: AC 5Ghz BW: 80 Attenuation: 6	PASS	0	0.010	TCP DL: 502.72 Mbps TCP UL: 701.95 Mbps Requested UDP DL: 226.23 Mbps UL: 315.88 Mbps Actual DL: 224.80 Mbps UL: 312.59 Mbps DL Drop: 0% UL Drop: 0.696% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 780M Tx-Rate: 866.7M 802.11an-AC-80-2x2
UL: AC 5Ghz BW: 80 Attenuation: 6	FAIL	0.696	0.010	TCP DL: 502.72 Mbps TCP UL: 701.95 Mbps Requested UDP DL: 226.23 Mbps UL: 315.88 Mbps Actual DL: 224.80 Mbps UL: 312.59 Mbps DL Drop: 0% UL Drop: 0.696% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 780M Tx-Rate: 866.7M 802.11an-AC-80-2x2
AC 5Ghz BW: 80 Attenuation: 24	INFO	199.19 Mbps		TCP Download: 199.19 Mbps
AC 5Ghz BW: 80 Attenuation:	INFO	413.41 Mbps		TCP Upload: 413.41 Mbps

24				
DL: AC 5Ghz BW: 80 Attenuation: 24	PASS	0	0.010	TCP DL: 199.19 Mbps TCP UL: 413.41 Mbps Requested UDP DL: 89.64 Mbps UL: 186.03 Mbps Actual DL: 89.17 Mbps UL: 184.77 Mbps DL Drop: 0% UL Drop: 1.079% STA-RSSI Data/Beacon: -61/-59 Rx-Rate: 260M Tx-Rate: 520M 802.11an-AC-80-2x2
UL: AC 5Ghz BW: 80 Attenuation: 24	FAIL	1.079	0.010	TCP DL: 199.19 Mbps TCP UL: 413.41 Mbps Requested UDP DL: 89.64 Mbps UL: 186.03 Mbps Actual DL: 89.17 Mbps UL: 184.77 Mbps DL Drop: 0% UL Drop: 1.079% STA-RSSI Data/Beacon: -61/-59 Rx-Rate: 260M Tx-Rate: 520M 802.11an-AC-80-2x2
AC 5Ghz BW: 80 Attenuation: 39	INFO	37.98 Mbps		TCP Download: 37.98 Mbps
AC 5Ghz BW: 80 Attenuation: 39	INFO	85.59 Mbps		TCP Upload: 85.59 Mbps
DL: AC 5Ghz BW: 80 Attenuation: 39	PASS	0	0.010	TCP DL: 37.98 Mbps TCP UL: 85.59 Mbps Requested UDP DL: 17.09 Mbps UL: 38.51 Mbps Actual DL: 17.00 Mbps UL: 38.33 Mbps DL Drop: 0% UL Drop: 1.380% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 65M Tx-Rate: 130M 802.11an-AC-80-2x2
UL: AC 5Ghz BW: 80 Attenuation: 39	FAIL	1.380	0.010	TCP DL: 37.98 Mbps TCP UL: 85.59 Mbps Requested UDP DL: 17.09 Mbps UL: 38.51 Mbps Actual DL: 17.00 Mbps UL: 38.33 Mbps DL Drop: 0% UL Drop: 1.380% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 65M Tx-Rate: 130M 802.11an-AC-80-2x2
AX 2.4Ghz BW: 20 Attenuation: 12	INFO	207.63 Mbps		TCP Download: 207.63 Mbps
AX 2.4Ghz BW: 20 Attenuation: 12	INFO	204.40 Mbps		TCP Upload: 204.40 Mbps
DL: AX 2.4Ghz BW: 20 Attenuation: 12	PASS	0	0.010	TCP DL: 207.63 Mbps TCP UL: 204.40 Mbps Requested UDP DL: 93.43 Mbps UL: 91.98 Mbps Actual DL: 93.09 Mbps UL: 91.23 Mbps DL Drop: 0% UL Drop: 0.713% STA-RSSI Data/Beacon: -34/-26 Rx-Rate: 286.7M Tx-Rate: 286.7M 802.11bgn-AX-20-2x2
UL: AX 2.4Ghz BW: 20 Attenuation: 12	FAIL	0.713	0.010	TCP DL: 207.63 Mbps TCP UL: 204.40 Mbps Requested UDP DL: 93.43 Mbps UL: 91.98 Mbps Actual DL: 93.09 Mbps UL: 91.23 Mbps DL Drop: 0% UL Drop: 0.713% STA-RSSI Data/Beacon: -34/-26 Rx-Rate: 286.7M Tx-Rate: 286.7M 802.11bgn-AX-20-2x2
AX 2.4Ghz BW: 20 Attenuation: 30	INFO	205.68 Mbps		TCP Download: 205.68 Mbps
AX 2.4Ghz BW: 20 Attenuation: 30	INFO	169.24 Mbps		TCP Upload: 169.24 Mbps

DL: AX 2.4Ghz BW: 20 Attenuation: 30	PASS	0	0.010	TCP DL: 205.68 Mbps TCP UL: 169.24 Mbps Requested UDP DL: 92.56 Mbps UL: 76.16 Mbps Actual DL: 92.19 Mbps UL: 69.41 Mbps DL Drop: 0% UL Drop: 1.225% STA-RSSI Data/Beacon: -52/-46 Rx-Rate: 286.7M Tx-Rate: 258M 802.11bgn-AX-20-2x2
UL: AX 2.4Ghz BW: 20 Attenuation: 30	FAIL	1.225	0.010	TCP DL: 205.68 Mbps TCP UL: 169.24 Mbps Requested UDP DL: 92.56 Mbps UL: 76.16 Mbps Actual DL: 92.19 Mbps UL: 69.41 Mbps DL Drop: 0% UL Drop: 1.225% STA-RSSI Data/Beacon: -52/-46 Rx-Rate: 286.7M Tx-Rate: 258M 802.11bgn-AX-20-2x2
AX 2.4Ghz BW: 20 Attenuation: 43	INFO	105.52 Mbps		TCP Download: 105.52 Mbps
AX 2.4Ghz BW: 20 Attenuation: 43	INFO	67.18 Mbps		TCP Upload: 67.18 Mbps
DL: AX 2.4Ghz BW: 20 Attenuation: 43	PASS	0	0.010	TCP DL: 105.52 Mbps TCP UL: 67.18 Mbps Requested UDP DL: 47.48 Mbps UL: 30.23 Mbps Actual DL: 47.29 Mbps UL: 24.39 Mbps DL Drop: 0% UL Drop: 0.296% STA-RSSI Data/Beacon: -64/-59 Rx-Rate: 172M Tx-Rate: 172M 802.11bgn-AX-20-2x2
UL: AX 2.4Ghz BW: 20 Attenuation: 43	FAIL	0.296	0.010	TCP DL: 105.52 Mbps TCP UL: 67.18 Mbps Requested UDP DL: 47.48 Mbps UL: 30.23 Mbps Actual DL: 47.29 Mbps UL: 24.39 Mbps DL Drop: 0% UL Drop: 0.296% STA-RSSI Data/Beacon: -64/-59 Rx-Rate: 172M Tx-Rate: 172M 802.11bgn-AX-20-2x2
AX 5Ghz BW: 80 Attenuation: 6	INFO	694.99 Mbps		TCP Download: 694.99 Mbps
AX 5Ghz BW: 80 Attenuation: 6	INFO	968.05 Mbps		TCP Upload: 968.05 Mbps
DL: AX 5Ghz BW: 80 Attenuation: 6	PASS	0	0.010	TCP DL: 694.99 Mbps TCP UL: 968.05 Mbps Requested UDP DL: 312.75 Mbps UL: 435.62 Mbps Actual DL: 311.62 Mbps UL: 434.02 Mbps DL Drop: 0% UL Drop: 0.909% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 960.7M Tx-Rate: 1.201G 802.11an-AX-80-2x2
UL: AX 5Ghz BW: 80 Attenuation: 6	FAIL	0.909	0.010	TCP DL: 694.99 Mbps TCP UL: 968.05 Mbps Requested UDP DL: 312.75 Mbps UL: 435.62 Mbps Actual DL: 311.62 Mbps UL: 434.02 Mbps DL Drop: 0% UL Drop: 0.909% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 960.7M Tx-Rate: 1.201G 802.11an-AX-80-2x2
AX 5Ghz BW: 80 Attenuation: 24	INFO	274.63 Mbps		TCP Download: 274.63 Mbps
AX 5Ghz BW: 80 Attenuation: 24	INFO	456.16 Mbps		TCP Upload: 456.16 Mbps
DL: AX 5Ghz BW: 80	PASS	0	0.010	TCP DL: 274.63 Mbps TCP UL: 456.16 Mbps Requested UDP DL: 123.58 Mbps UL: 205.27 Mbps Actual DL: 123.09 Mbps UL: 204.39 Mbps

Attenuation: 24				DL Drop: 0% UL Drop: 0.279% STA-RSSI Data/Beacon: -61/-60 Rx-Rate: 324.2M Tx-Rate: 576.4M 802.11an-AX-80-2x2
UL: AX 5Ghz BW: 80 Attenuation: 24	FAIL	0.279	0.010	TCP DL: 274.63 Mbps TCP UL: 456.16 Mbps Requested UDP DL: 123.58 Mbps UL: 205.27 Mbps Actual DL: 123.09 Mbps UL: 204.39 Mbps DL Drop: 0% UL Drop: 0.279% STA-RSSI Data/Beacon: -61/-60 Rx-Rate: 324.2M Tx-Rate: 576.4M 802.11an-AX-80-2x2
AX 5Ghz BW: 80 Attenuation: 39	INFO	58.60 Mbps		TCP Download: 58.60 Mbps
AX 5Ghz BW: 80 Attenuation: 39	INFO	104.51 Mbps		TCP Upload: 104.51 Mbps
DL: AX 5Ghz BW: 80 Attenuation: 39	PASS	0	0.010	TCP DL: 58.60 Mbps TCP UL: 104.51 Mbps Requested UDP DL: 26.37 Mbps UL: 47.03 Mbps Actual DL: 26.23 Mbps UL: 46.60 Mbps DL Drop: 0% UL Drop: 1.258% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 72M Tx-Rate: 144.1M 802.11an-AX-80-2x2
UL: AX 5Ghz BW: 80 Attenuation: 39	FAIL	1.258	0.010	TCP DL: 58.60 Mbps TCP UL: 104.51 Mbps Requested UDP DL: 26.37 Mbps UL: 47.03 Mbps Actual DL: 26.23 Mbps UL: 46.60 Mbps DL Drop: 0% UL Drop: 1.258% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 72M Tx-Rate: 144.1M 802.11an-AX-80-2x2
AXe 6Ghz BW: 160 Attenuation: 0	INFO	1,920.13 Mbps		TCP Download: 1,920.13 Mbps
AXe 6Ghz BW: 160 Attenuation: 0	INFO	1,991.05 Mbps		TCP Upload: 1,991.05 Mbps
DL: AXe 6Ghz BW: 160 Attenuation: 0	PASS	0	0.010	TCP DL: 1,920.13 Mbps TCP UL: 1,991.05 Mbps Requested UDP DL: 864.06 Mbps UL: 895.97 Mbps Actual DL: 861.16 Mbps UL: 890.08 Mbps DL Drop: 0% UL Drop: 0.821% STA-RSSI Data/Beacon: -35/-42 Rx-Rate: 2.402G Tx-Rate: 2.402G 802.11a-AX-160-2x2
UL: AXe 6Ghz BW: 160 Attenuation: 0	FAIL	0.821	0.010	TCP DL: 1,920.13 Mbps TCP UL: 1,991.05 Mbps Requested UDP DL: 864.06 Mbps UL: 895.97 Mbps Actual DL: 861.16 Mbps UL: 890.08 Mbps DL Drop: 0% UL Drop: 0.821% STA-RSSI Data/Beacon: -35/-42 Rx-Rate: 2.402G Tx-Rate: 2.402G 802.11a-AX-160-2x2
AXe 6Ghz BW: 160 Attenuation: 15	INFO	1,702.68 Mbps		TCP Download: 1,702.68 Mbps
AXe 6Ghz BW: 160 Attenuation: 15	INFO	1,588.78 Mbps		TCP Upload: 1,588.78 Mbps
DL: AXe 6Ghz BW: 160 Attenuation: 15	PASS	0	0.010	TCP DL: 1,702.68 Mbps TCP UL: 1,588.78 Mbps Requested UDP DL: 766.21 Mbps UL: 714.95 Mbps Actual DL: 763.00 Mbps UL: 709.91 Mbps DL Drop: 0% UL Drop: 0.462% STA-RSSI Data/Beacon: -50/-57 Rx-Rate: 2.161G Tx-Rate: 2.161G 802.11a-AX-160-2x2

UL: AXe 6Ghz BW: 160 Attenuation: 15	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	0.462	0.010	TCP DL: 1,702.68 Mbps TCP UL: 1,588.78 Mbps Requested UDP DL: 766.21 Mbps UL: 714.95 Mbps Actual DL: 763.00 Mbps UL: 709.91 Mbps DL Drop: 0% UL Drop: 0.462% STA-RSSI Data/Beacon: -50/-57 Rx-Rate: 2.161G Tx-Rate: 2.161G 802.11a-AX-160-2x2
AXe 6Ghz BW: 160 Attenuation: 27	INFO	1,109.11 Mbps		TCP Download: 1,109.11 Mbps
AXe 6Ghz BW: 160 Attenuation: 27	INFO	702.47 Mbps		TCP Upload: 702.47 Mbps
DL: AXe 6Ghz BW: 160 Attenuation: 27	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 1,109.11 Mbps TCP UL: 702.47 Mbps Requested UDP DL: 499.10 Mbps UL: 316.11 Mbps Actual DL: 497.12 Mbps UL: 314.85 Mbps DL Drop: 0% UL Drop: 1.104% STA-RSSI Data/Beacon: -61/-69 Rx-Rate: 1.441G Tx-Rate: 864.6M 802.11a-AX-160-2x2
UL: AXe 6Ghz BW: 160 Attenuation: 27	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	1.104	0.010	TCP DL: 1,109.11 Mbps TCP UL: 702.47 Mbps Requested UDP DL: 499.10 Mbps UL: 316.11 Mbps Actual DL: 497.12 Mbps UL: 314.85 Mbps DL Drop: 0% UL Drop: 1.104% STA-RSSI Data/Beacon: -61/-69 Rx-Rate: 1.441G Tx-Rate: 864.6M 802.11a-AX-160-2x2
BE 2.4Ghz BW: 20 Attenuation: 12	INFO	241.56 Mbps		TCP Download: 241.56 Mbps
BE 2.4Ghz BW: 20 Attenuation: 12	INFO	218.83 Mbps		TCP Upload: 218.83 Mbps
DL: BE 2.4Ghz BW: 20 Attenuation: 12	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 241.56 Mbps TCP UL: 218.83 Mbps Requested UDP DL: 108.70 Mbps UL: 98.47 Mbps Actual DL: 108.34 Mbps UL: 97.22 Mbps DL Drop: 0% UL Drop: 1.411% STA-RSSI Data/Beacon: -35/-26 Rx-Rate: 344.1M Tx-Rate: 344.1M 802.11bgn-BE-20-2x2
UL: BE 2.4Ghz BW: 20 Attenuation: 12	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	1.411	0.010	TCP DL: 241.56 Mbps TCP UL: 218.83 Mbps Requested UDP DL: 108.70 Mbps UL: 98.47 Mbps Actual DL: 108.34 Mbps UL: 97.22 Mbps DL Drop: 0% UL Drop: 1.411% STA-RSSI Data/Beacon: -35/-26 Rx-Rate: 344.1M Tx-Rate: 344.1M 802.11bgn-BE-20-2x2
BE 2.4Ghz BW: 20 Attenuation: 30	INFO	218.70 Mbps		TCP Download: 218.70 Mbps
BE 2.4Ghz BW: 20 Attenuation: 30	INFO	169.83 Mbps		TCP Upload: 169.83 Mbps
DL: BE 2.4Ghz BW: 20 Attenuation: 30	<span style="background-color: #90EE90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 218.70 Mbps TCP UL: 169.83 Mbps Requested UDP DL: 98.42 Mbps UL: 76.42 Mbps Actual DL: 97.95 Mbps UL: 74.87 Mbps DL Drop: 0% UL Drop: 0.832% STA-RSSI Data/Beacon: -53/-45 Rx-Rate: 309.6M Tx-Rate: 286.7M 802.11bgn-BE-20-2x2

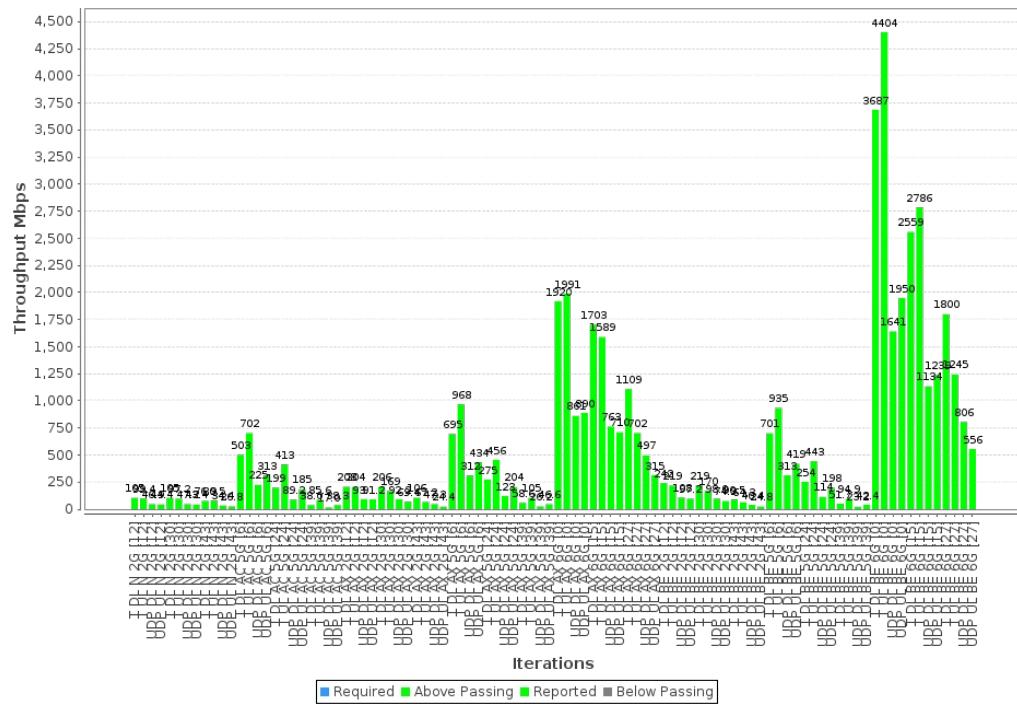
UL: BE 2.4Ghz BW: 20 Attenuation: 30	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	0.832	0.010	TCP DL: 218.70 Mbps TCP UL: 169.83 Mbps Requested UDP DL: 98.42 Mbps UL: 76.42 Mbps Actual DL: 97.95 Mbps UL: 74.87 Mbps DL Drop: 0% UL Drop: 0.832% STA-RSSI Data/Beacon: -53/-45 Rx-Rate: 309.6M Tx-Rate: 286.7M 802.11bgn-BE-20-2x2
BE 2.4Ghz BW: 20 Attenuation: 43	INFO	90.50 Mbps		TCP Download: 90.50 Mbps
BE 2.4Ghz BW: 20 Attenuation: 43	INFO	64.34 Mbps		TCP Upload: 64.34 Mbps
DL: BE 2.4Ghz BW: 20 Attenuation: 43	<span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 90.50 Mbps TCP UL: 64.34 Mbps Requested UDP DL: 40.73 Mbps UL: 28.95 Mbps Actual DL: 40.43 Mbps UL: 24.80 Mbps DL Drop: 0% UL Drop: 1.225% STA-RSSI Data/Beacon: -64/-59 Rx-Rate: 229.4M Tx-Rate: 172M 802.11bgn-BE-20-2x2
UL: BE 2.4Ghz BW: 20 Attenuation: 43	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	1.225	0.010	TCP DL: 90.50 Mbps TCP UL: 64.34 Mbps Requested UDP DL: 40.73 Mbps UL: 28.95 Mbps Actual DL: 40.43 Mbps UL: 24.80 Mbps DL Drop: 0% UL Drop: 1.225% STA-RSSI Data/Beacon: -64/-59 Rx-Rate: 229.4M Tx-Rate: 172M 802.11bgn-BE-20-2x2
BE 5Ghz BW: 80	<span style="background-color: #ffffcc; border: 1px solid black; padding: 2px;">Warning</span>			Test requests 80Mhz Bandwidth, but Station reported: 160
BE 5Ghz BW: 80 Attenuation: 6	INFO	700.68 Mbps		TCP Download: 700.68 Mbps
BE 5Ghz BW: 80 Attenuation: 6	INFO	935.41 Mbps		TCP Upload: 935.41 Mbps
DL: BE 5Ghz BW: 80 Attenuation: 6	<span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 700.68 Mbps TCP UL: 935.41 Mbps Requested UDP DL: 315.31 Mbps UL: 420.93 Mbps Actual DL: 313.03 Mbps UL: 418.62 Mbps DL Drop: 0% UL Drop: 0.456% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 960.7M Tx-Rate: 1.297G 802.11an-BE-80-2x2
UL: BE 5Ghz BW: 80 Attenuation: 6	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	0.456	0.010	TCP DL: 700.68 Mbps TCP UL: 935.41 Mbps Requested UDP DL: 315.31 Mbps UL: 420.93 Mbps Actual DL: 313.03 Mbps UL: 418.62 Mbps DL Drop: 0% UL Drop: 0.456% STA-RSSI Data/Beacon: -42/-40 Rx-Rate: 960.7M Tx-Rate: 1.297G 802.11an-BE-80-2x2
BE 5Ghz BW: 80 Attenuation: 24	INFO	253.56 Mbps		TCP Download: 253.56 Mbps
BE 5Ghz BW: 80 Attenuation: 24	INFO	442.82 Mbps		TCP Upload: 442.82 Mbps
DL: BE 5Ghz BW: 80 Attenuation: 24	<span style="background-color: #90ee90; border: 1px solid black; padding: 2px;">PASS</span>	0	0.010	TCP DL: 253.56 Mbps TCP UL: 442.82 Mbps Requested UDP DL: 114.10 Mbps UL: 199.27 Mbps Actual DL: 113.72 Mbps UL: 197.98 Mbps DL Drop: 0% UL Drop: 1.202% STA-RSSI Data/Beacon: -62/-60 Rx-Rate: 360.3M Tx-Rate: 648.5M 802.11an-BE-80-2x2
UL: BE 5Ghz BW: 80 Attenuation: 24	<span style="background-color: #f08080; border: 1px solid black; padding: 2px;">FAIL</span>	1.202	0.010	TCP DL: 253.56 Mbps TCP UL: 442.82 Mbps Requested UDP DL: 114.10 Mbps UL: 199.27 Mbps Actual DL: 113.72 Mbps UL: 197.98 Mbps DL Drop: 0% UL Drop: 1.202% STA-RSSI Data/Beacon: -62/-60 Rx-Rate: 360.3M Tx-Rate: 648.5M 802.11an-BE-80-2x2

BE 5Ghz BW: 80 Attenuation: 39	INFO	51.68 Mbps		TCP Download: 51.68 Mbps
BE 5Ghz BW: 80 Attenuation: 39	INFO	94.92 Mbps		TCP Upload: 94.92 Mbps
DL: BE 5Ghz BW: 80 Attenuation: 39	PASS	0	0.010	TCP DL: 51.68 Mbps TCP UL: 94.92 Mbps Requested UDP DL: 23.25 Mbps UL: 42.71 Mbps Actual DL: 23.17 Mbps UL: 42.38 Mbps DL Drop: 0% UL Drop: 0.639% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 72M Tx-Rate: 144.1M 802.11an-BE-80-2x2
UL: BE 5Ghz BW: 80 Attenuation: 39	FAIL	0.639	0.010	TCP DL: 51.68 Mbps TCP UL: 94.92 Mbps Requested UDP DL: 23.25 Mbps UL: 42.71 Mbps Actual DL: 23.17 Mbps UL: 42.38 Mbps DL Drop: 0% UL Drop: 0.639% STA-RSSI Data/Beacon: -75/-74 Rx-Rate: 72M Tx-Rate: 144.1M 802.11an-BE-80-2x2
BE 6Ghz BW: 320 Attenuation: 0	INFO	3,686.93 Mbps		TCP Download: 3,686.93 Mbps
BE 6Ghz BW: 320 Attenuation: 0	INFO	4,403.74 Mbps		TCP Upload: 4,403.74 Mbps
DL: BE 6Ghz BW: 320 Attenuation: 0	PASS	0	0.010	TCP DL: 3,686.93 Mbps TCP UL: 4,403.74 Mbps Requested UDP DL: 1,659.12 Mbps UL: 1,981.68 Mbps Actual DL: 1,641.31 Mbps UL: 1,950.46 Mbps DL Drop: 0% UL Drop: 0.760% STA-RSSI Data/Beacon: -34/-42 Rx-Rate: 5.187G Tx-Rate: 5.765G 802.11a-BE-320-2x2
UL: BE 6Ghz BW: 320 Attenuation: 0	FAIL	0.760	0.010	TCP DL: 3,686.93 Mbps TCP UL: 4,403.74 Mbps Requested UDP DL: 1,659.12 Mbps UL: 1,981.68 Mbps Actual DL: 1,641.31 Mbps UL: 1,950.46 Mbps DL Drop: 0% UL Drop: 0.760% STA-RSSI Data/Beacon: -34/-42 Rx-Rate: 5.187G Tx-Rate: 5.765G 802.11a-BE-320-2x2
BE 6Ghz BW: 320 Attenuation: 15	INFO	2,558.65 Mbps		TCP Download: 2,558.65 Mbps
BE 6Ghz BW: 320 Attenuation: 15	INFO	2,785.97 Mbps		TCP Upload: 2,785.97 Mbps
DL: BE 6Ghz BW: 320 Attenuation: 15	FAIL	0.269	0.010	TCP DL: 2,558.65 Mbps TCP UL: 2,785.97 Mbps Requested UDP DL: 1,151.39 Mbps UL: 1,253.69 Mbps Actual DL: 1,134.22 Mbps UL: 1,238.68 Mbps DL Drop: 0.269% UL Drop: 0.864% STA-RSSI Data/Beacon: -48/-57 Rx-Rate: 2.883G Tx-Rate: 3.843G 802.11a-BE-320-2x2
UL: BE 6Ghz BW: 320 Attenuation: 15	FAIL	0.864	0.010	TCP DL: 2,558.65 Mbps TCP UL: 2,785.97 Mbps Requested UDP DL: 1,151.39 Mbps UL: 1,253.69 Mbps Actual DL: 1,134.22 Mbps UL: 1,238.68 Mbps DL Drop: 0.269% UL Drop: 0.864% STA-RSSI Data/Beacon: -48/-57 Rx-Rate: 2.883G Tx-Rate: 3.843G 802.11a-BE-320-2x2
BE 6Ghz BW: 320 Attenuation: 27	INFO	1,799.66 Mbps		TCP Download: 1,799.66 Mbps

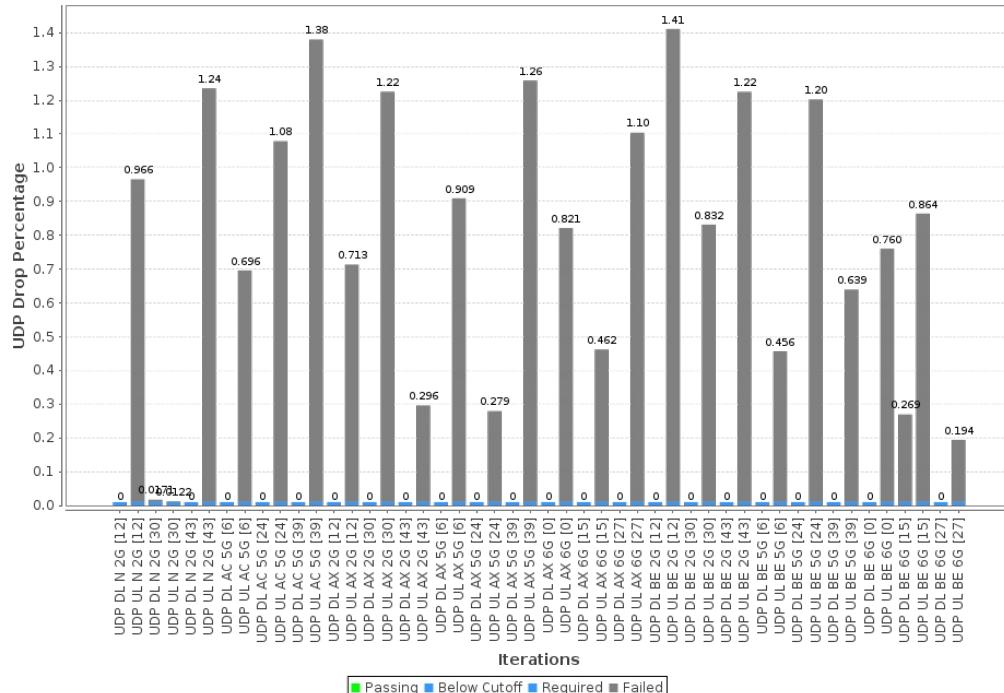
BE 6Ghz BW: 320 Attenuation: 27	INFO	1,244.53 Mbps		TCP Upload: 1,244.53 Mbps
DL: BE 6Ghz BW: 320 Attenuation: 27	PASS	0	0.010	TCP DL: 1,799.66 Mbps TCP UL: 1,244.53 Mbps Requested UDP DL: 809.85 Mbps UL: 560.04 Mbps Actual DL: 805.72 Mbps UL: 555.98 Mbps DL Drop: 0% UL Drop: 0.194% STA-RSSI Data/Beacon: -59/-69 Rx-Rate: 2.594G Tx-Rate: 1.729G 802.11a-BE-320-2x2
UL: BE 6Ghz BW: 320 Attenuation: 27	FAIL	0.194	0.010	TCP DL: 1,799.66 Mbps TCP UL: 1,244.53 Mbps Requested UDP DL: 809.85 Mbps UL: 560.04 Mbps Actual DL: 805.72 Mbps UL: 555.98 Mbps DL Drop: 0% UL Drop: 0.194% STA-RSSI Data/Beacon: -59/-69 Rx-Rate: 2.594G Tx-Rate: 1.729G 802.11a-BE-320-2x2

[CSV Data for 6.2.5 Bidirectional UDP Throughput Test](#)

### 6.2.5 Bidirectional UDP Throughput Test



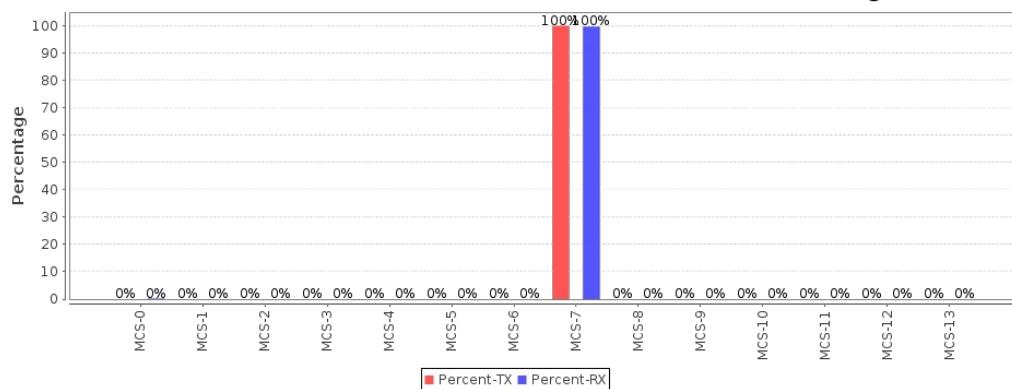
### 6.2.5 Bidirectional UDP Throughput Test



Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

CSV Data for N 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages

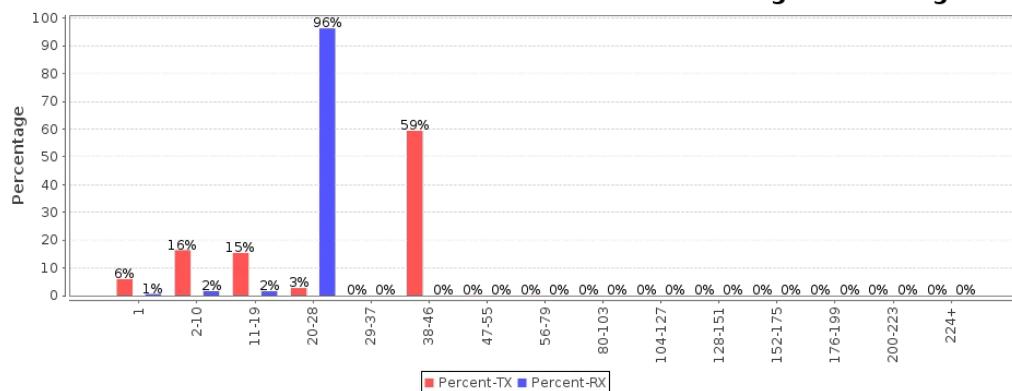
### N 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

CSV Data for N 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet AMPDU Length Percentages

### N 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet AMPDU Length Percentages



Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test N 2.4Ghz BW: 20 Attenuation: 12

N 2.4Ghz BW: 20

Attenuation: 12 Snapshot

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
1.4.14 wlan0	55.208 Mbps	36.414 Mbps	0.061	144.4 Mbps	144.4 Mbps	802.11bgn 20 2x2	6	79	-32	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

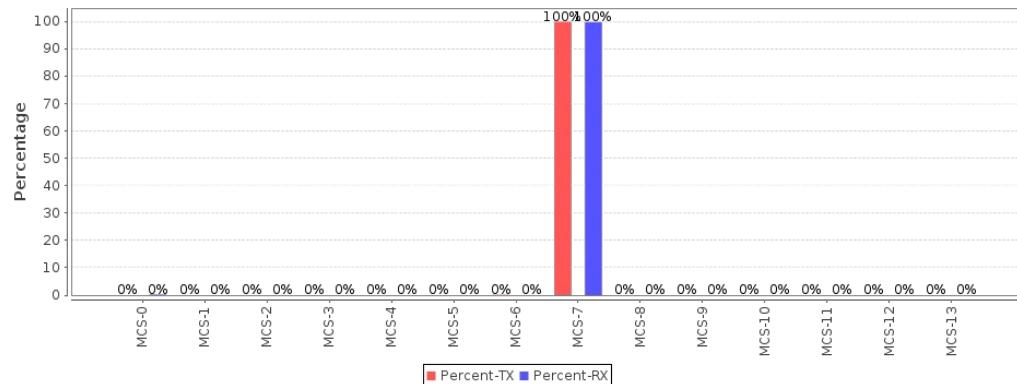
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	46.277 Mbps	43.907 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	22.35 Mbps	23.611 Mbps	121977	128842		4	16	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	23.613 Mbps	22.357 Mbps	127698	120854		12	16	0	0
cv_udp-3.2-4.wlan0-1.0.1-A	22.353 Mbps	23.623 Mbps	122282	129190		3	17	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	23.618 Mbps	22.355 Mbps	127518	120654		14	17	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

CSV Data for N 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages

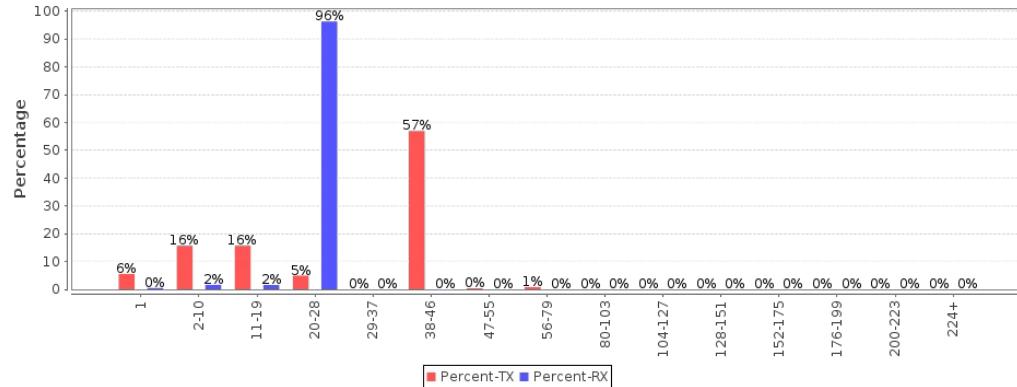
### N 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

CSV Data for N 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet AMPDU Length Percentages

### N 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet AMPDU Length Percentages



Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test N 2.4Ghz BW: 20 Attenuation: 30

N 2.4Ghz BW: 20

## Attenuation: 30 Snapshot

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
1.4.14 wlan0	62.467 Mbps	30.331 Mbps	1.48	144.4 Mbps	144.4 Mbps	802.11bg	20 2x2	6	79	-49	40:ED:00:14:F5:F2	192.168.0.104 e4:60:17:65:83:8f

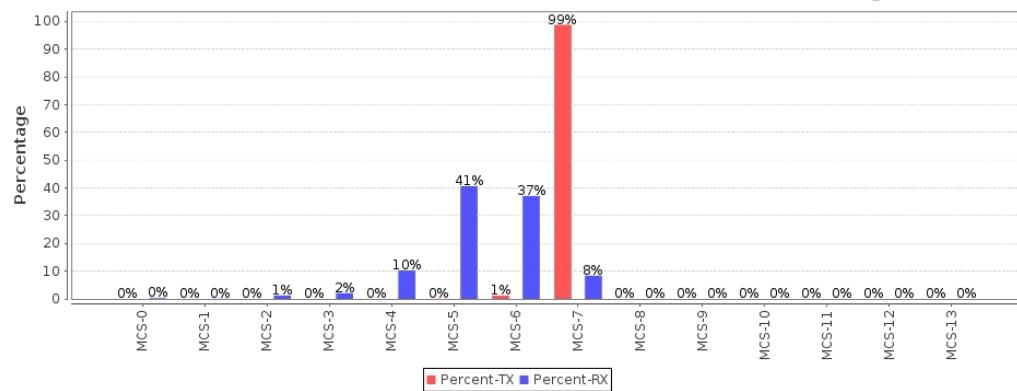
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	35.788 Mbps	55.76 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	21.854 Mbps	23.679 Mbps	119024	128924	9	23	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	23.669 Mbps	21.848 Mbps	128924	118995	14	23	0	0.024	0
cv_udp-3.2-4.wlan0-1.0.1-A	21.857 Mbps	23.664 Mbps	119068	128924	8	16	0	0.034	0
cv_udp-3.2-4.wlan0-1.0.1-B	23.665 Mbps	21.85 Mbps	128968	119068	8	16	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for N 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages](#)

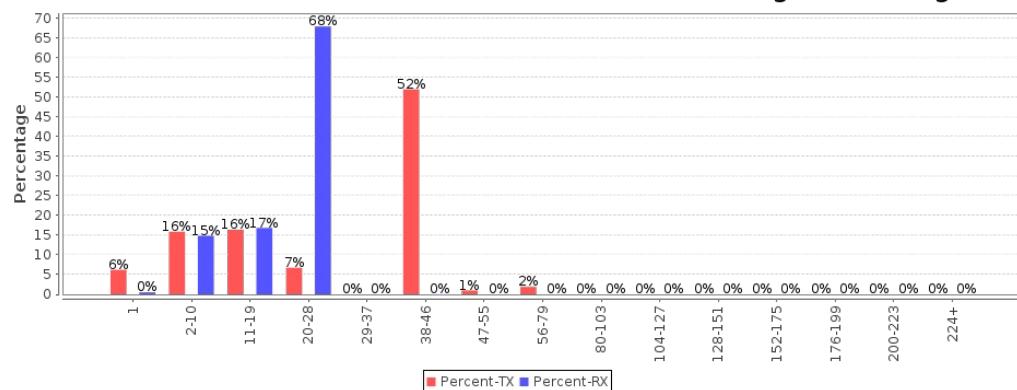
**N 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages**



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for N 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet AMPDU Length Percentages](#)

**N 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet AMPDU Length Percentages**



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test N 2.4Ghz BW: 20 Attenuation: 43](#)

## N 2.4Ghz BW: 20

### Attenuation: 43 Snapshot

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
------	-----------	-----------	---------	--------------	--------------	------	---------	-------------------	------------	----	----	-----

			%			(ms)					
1.4.14 wlan0	27.867 Mbps	32.571 Mbps	4.097	144.4 Mbps	130 Mbps	802.11bgn 20 2x2	6	79	-63	40:ED:00:14:F5:F2	192.168.0.104 e4:60:17:65:83:8f

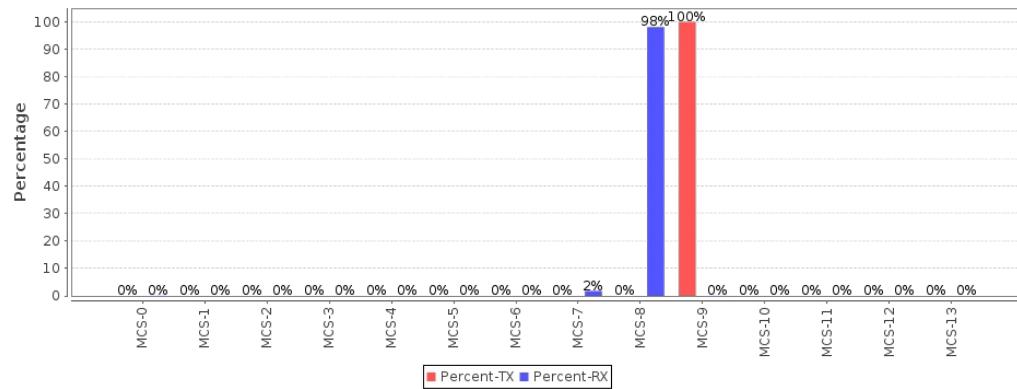
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	20.774 Mbps	49.211 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	13.589 Mbps	17.34 Mbps	74145	94469	3	13	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	17.292 Mbps	13.556 Mbps	95089	74165	10	13	0	0.270	0
cv_udp-3.2-4.wlan0-1.0.1-A	13.608 Mbps	17.239 Mbps	74541	94842	79	95	0	0.309	0
cv_udp-3.2-4.wlan0-1.0.1-B	17.281 Mbps	13.593 Mbps	94165	73745	16	95	0	0.301	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages](#)

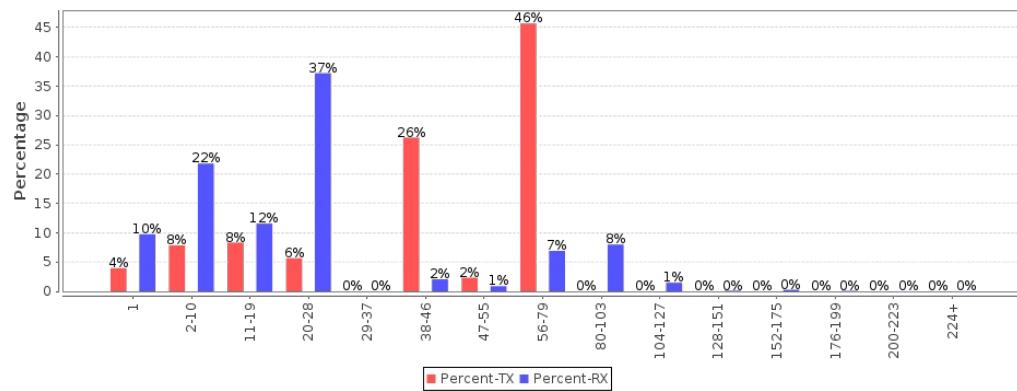
### AC 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 6 WiFi Packet AMPDU Length Percentages](#)

### AC 5Ghz BW: 80 Attenuation: 6 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AC 5Ghz BW: 80 Attenuation: 6](#)

## AC 5Ghz BW: 80 Attenuation: 6 Snapshot

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
1.4.14 wlan0	402.341 Mbps	165.069 Mbps	0.684	866.7 Mbps	780 Mbps	802.11an-AC 80 2x2	36	79	-42	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

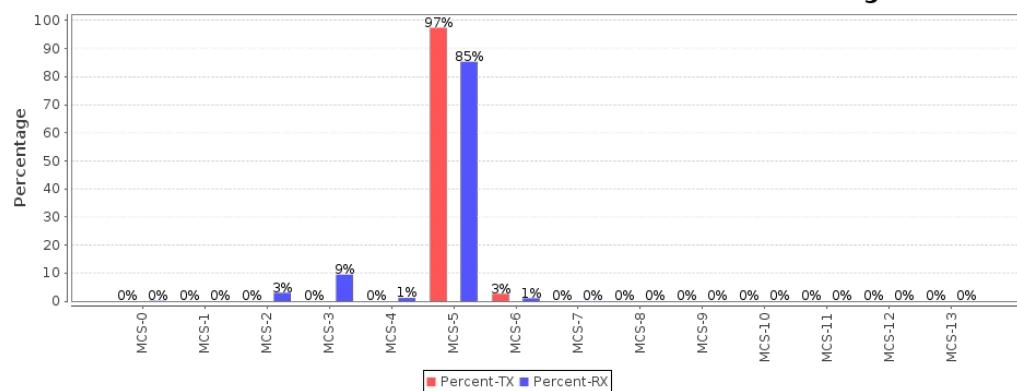
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	167.222 Mbps	404.707 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	157.793 Mbps	113.002 Mbps	860830	616404	0	8	0	0	0
cv_udp-3.2-4.wlan0--1.0.0-B	112.994 Mbps	157.78 Mbps	620496	866346	8	8	0	0.013	0
cv_udp-3.2-4.wlan0--1.0.1-A	157.787 Mbps	112.959 Mbps	866713	620452	0	10	0	0.043	0
cv_udp-3.2-4.wlan0--1.0.1-B	112.973 Mbps	157.789 Mbps	619880	865694	10	10	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages](#)

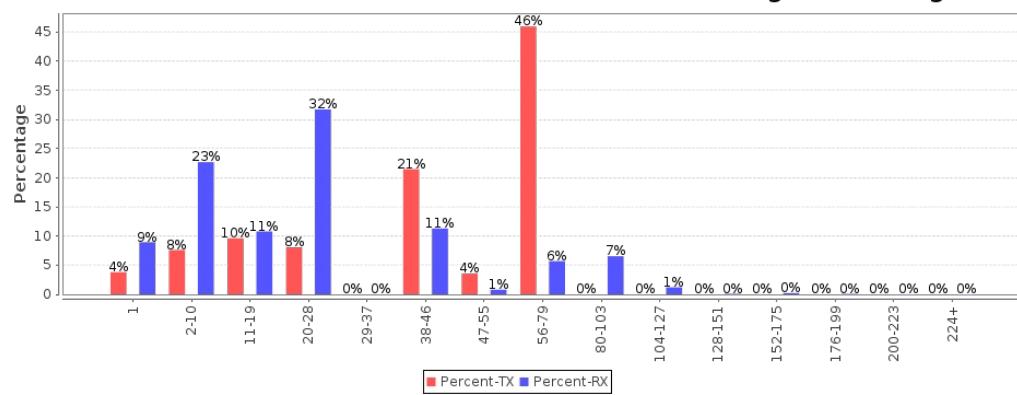
### AC 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 24 WiFi Packet AMPDU Length Percentages](#)

### AC 5Ghz BW: 80 Attenuation: 24 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AC 5Ghz BW: 80 Attenuation: 24](#)

AC 5Ghz BW: 80

Attenuation: 24 Snapshot

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
1.4.14 wlan0	193.329 Mbps	91.856 Mbps	0.938	520 Mbps	260 Mbps	802.11an-AC 802x2	36	79	-61	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	167.222 Mbps	404.707 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

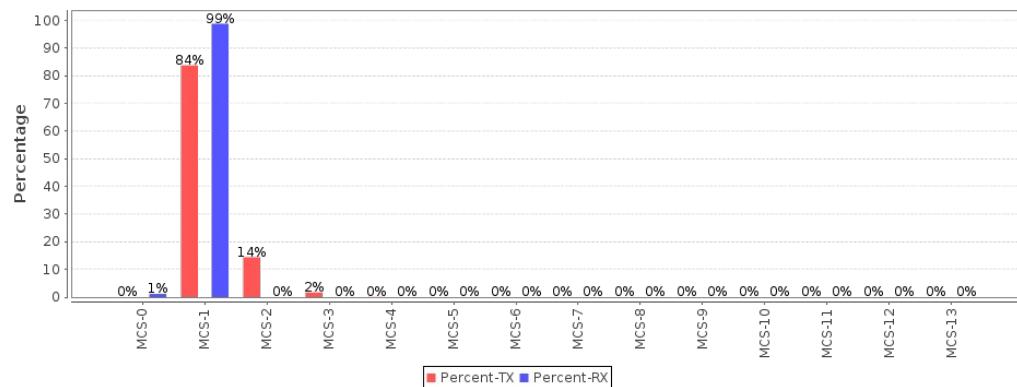
1.3.2 eth2	52.559 Mbps	282.837 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4
------------	-------------	--------------	---------	--------------	-------------------

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	93.299 Mbps	44.757 Mbps	507495	244431		2	9	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	44.758 Mbps	93.287 Mbps	245621	509915		7	9	0	0
cv_udp-3.2-4.wlan0-1.0.1-A	93.279 Mbps	44.76 Mbps	509147	245224		2	8	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	44.751 Mbps	93.28 Mbps	243156	504826		6	8	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages](#)

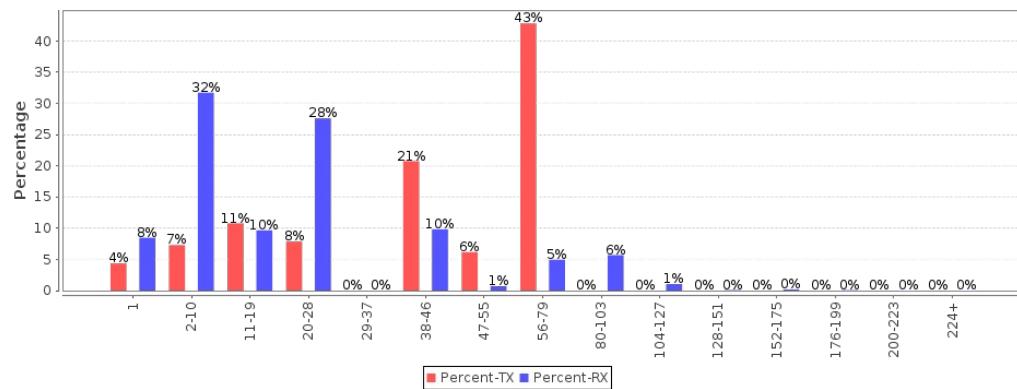
### AC 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AC 5Ghz BW: 80 Attenuation: 39 WiFi Packet AMPDU Length Percentages](#)

### AC 5Ghz BW: 80 Attenuation: 39 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AC 5Ghz BW: 80 Attenuation: 39](#)

## AC 5Ghz BW: 80

### Attenuation: 39 Snapshot

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
1.4.14 wlan0	45.42 Mbps	14.201 Mbps	2.105	130 Mbps	65 Mbps	802.11an-AC 80 2x2	36	79	-75	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	14.571 Mbps	44.305 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

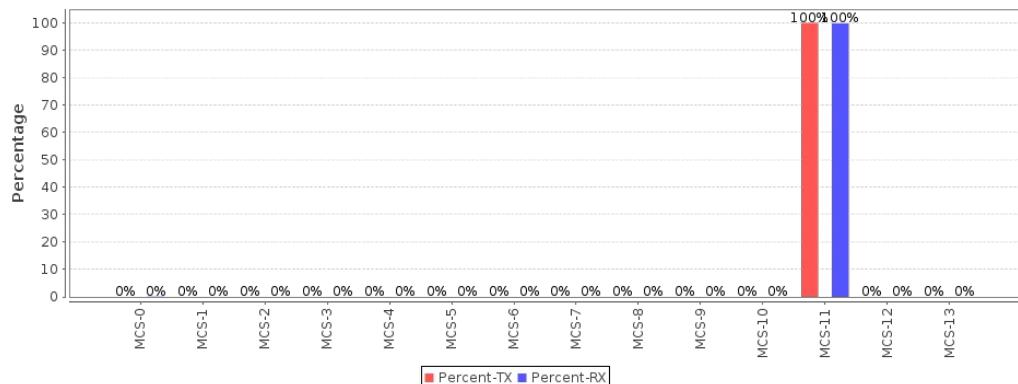
Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	19.242 Mbps	8.541 Mbps	104327	46284		7	17	0	0.013
cv_udp-3.2-4.wlan0-1.0.0-B	8.541 Mbps	19.232 Mbps	46290	104283		10	17	0	0.042

cv_udp-3.2-4.wlan0-1.0.1-A	19.241 Mbps	8.542 Mbps	106130	47075	4	17	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	8.537 Mbps	19.237 Mbps	45851	103270	13	17	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for AX 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages](#)

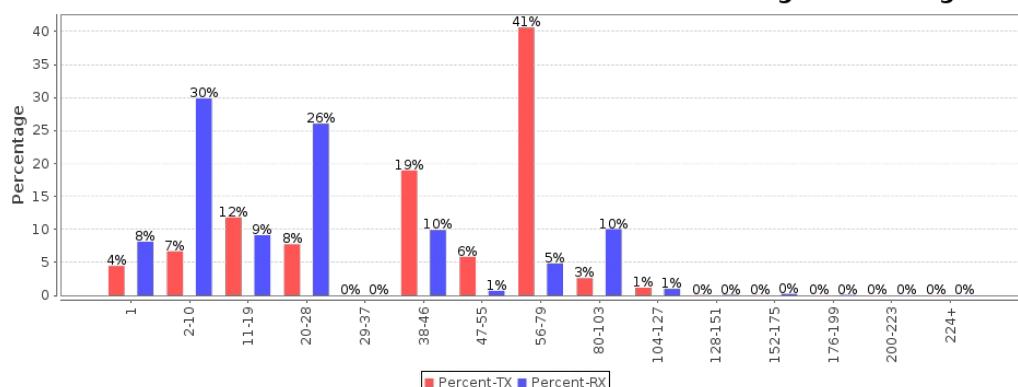
### AX 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AX 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet AMPDU Length Percentages](#)

### AX 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 2.4Ghz BW: 20 Attenuation: 12](#)

## AX 2.4Ghz BW: 20 Attenuation: 12 Snapshot

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
1.4.14 wlan0	119.088 Mbps	67.968 Mbps	2.316	286.7 Mbps	286.7 Mbps	802.11bgn-AX 20x2	6	81	-34	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

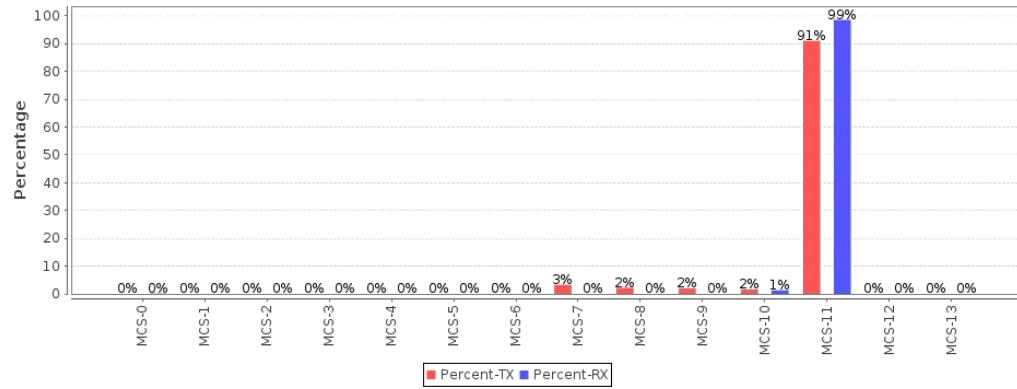
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	55.681 Mbps	138.157 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	45.947 Mbps	46.647 Mbps	249136	252921	2	10	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	46.644 Mbps	45.943 Mbps	252921	249092	8	10	0	0.018	0
cv_udp-3.2-4.wlan0-1.0.1-A	45.946 Mbps	46.659 Mbps	251864	255736	-1	9	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	46.643 Mbps	45.947 Mbps	252128	248334	10	9	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for AX 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages](#)

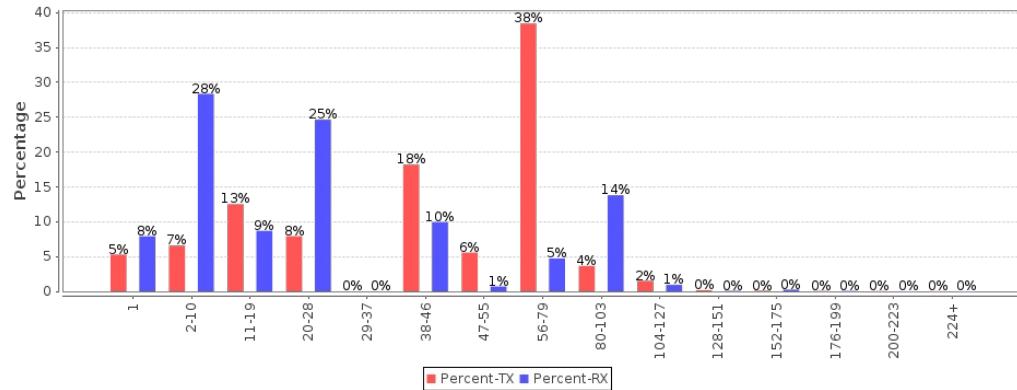
### AX 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AX 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet AMPDU Length Percentages](#)

### AX 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 2.4Ghz BW: 20 Attenuation: 30](#)

### AX 2.4Ghz BW: 20 Attenuation: 30 Snapshot

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
1.4.14 wlan0	109.455 Mbps	54.767 Mbps	9.511	258 Mbps	286.7 Mbps	802.11bgn-AX 20 2x2	6	81	-52	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

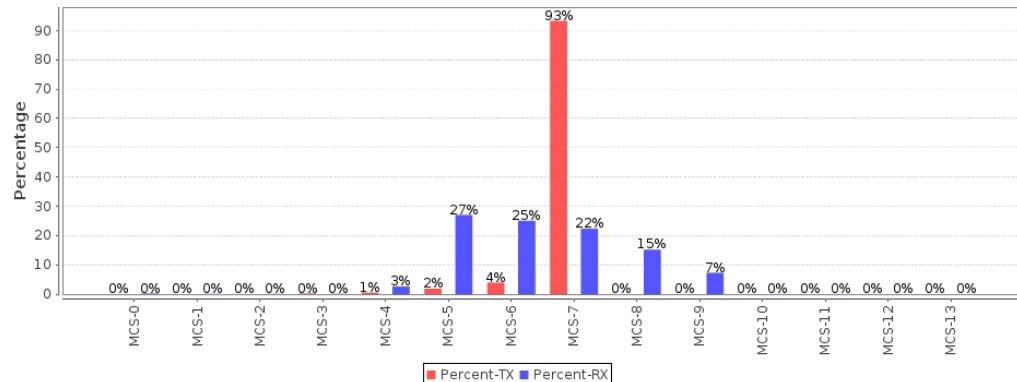
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	78.379 Mbps	82.543 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	35.03 Mbps	46.203 Mbps	190968	251733	5	13	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	46.206 Mbps	34.964 Mbps	249005	188606	8	13	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-A	34.967 Mbps	46.212 Mbps	191012	252217	11	19	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	46.205 Mbps	34.957 Mbps	249401	188695	8	19	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

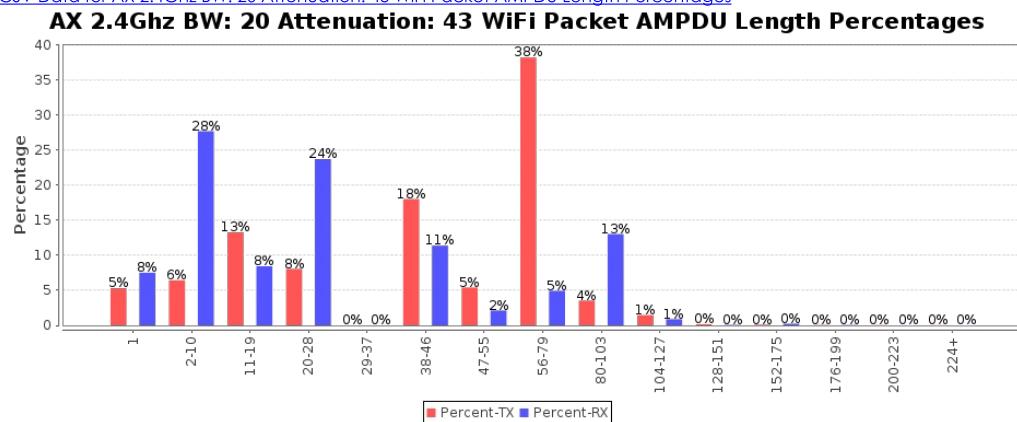
[CSV Data for AX 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages](#)

### AX 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for AX 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 2.4Ghz BW: 20 Attenuation: 43

### AX 2.4Ghz BW: 20 Attenuation: 43 Snapshot

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
1.4.14 wlan0	26.458 Mbps	43.321 Mbps	10.881	172 Mbps	172 Mbps	802.11bgn-AX 20 2x2	6	81	-64	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

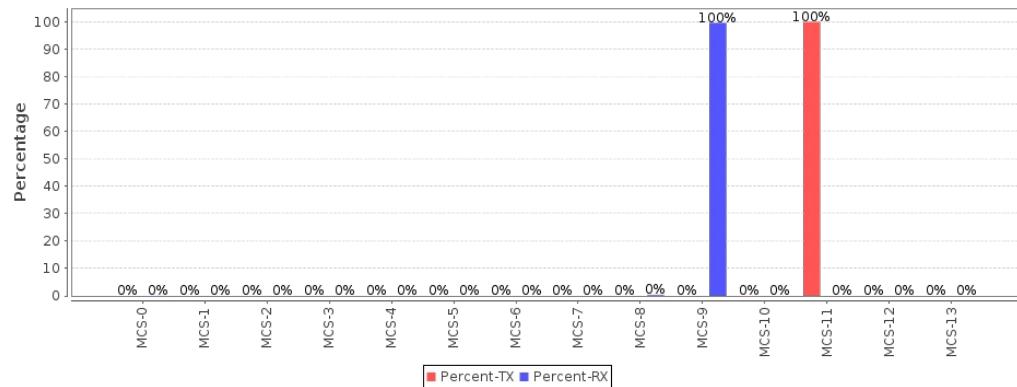
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	31.019 Mbps	39.587 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-0-1.0-0-A	12.336 Mbps	23.674 Mbps	66884	128615	9	21	1	0.206	0
cv_udp-3.2-4.wlan0-0-1.0-0-B	23.714 Mbps	12.308 Mbps	128881	66749	12	21	0	0.202	0
cv_udp-3.2-4.wlan0-0-1.0-1-A	12.36 Mbps	23.698 Mbps	68027	130614	0	11	0	0	0
cv_udp-3.2-4.wlan0-0-1.0-1-B	23.72 Mbps	12.381 Mbps	129936	67499	11	11	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

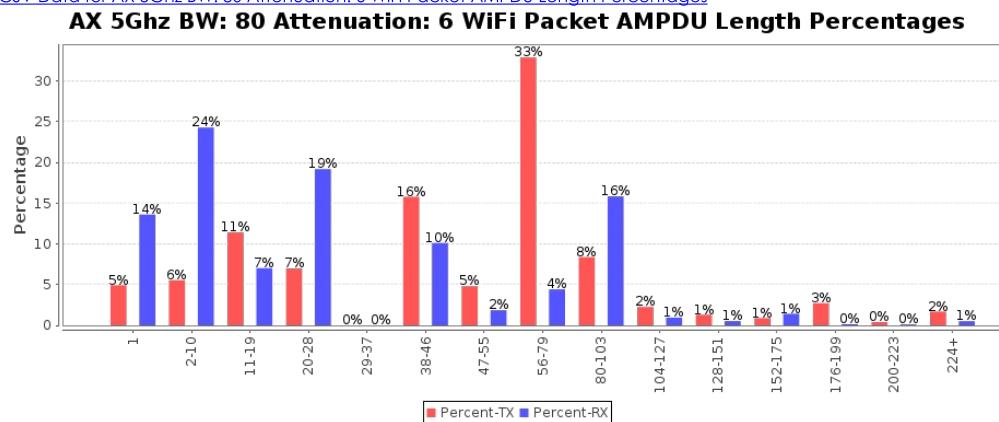
#### CSV Data for AX 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages

### AX 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AX 5Ghz BW: 80 Attenuation: 6 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 5Ghz BW: 80 Attenuation: 6](#)

### AX 5Ghz BW: 80 Attenuation: 6 Snapshot

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
1.4.14 wlan0	553.16 Mbps	229.993 Mbps	1.755	1200.9 Mbps	960.7 Mbps	802.11an-AX 80 2x2	36	85	-42	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

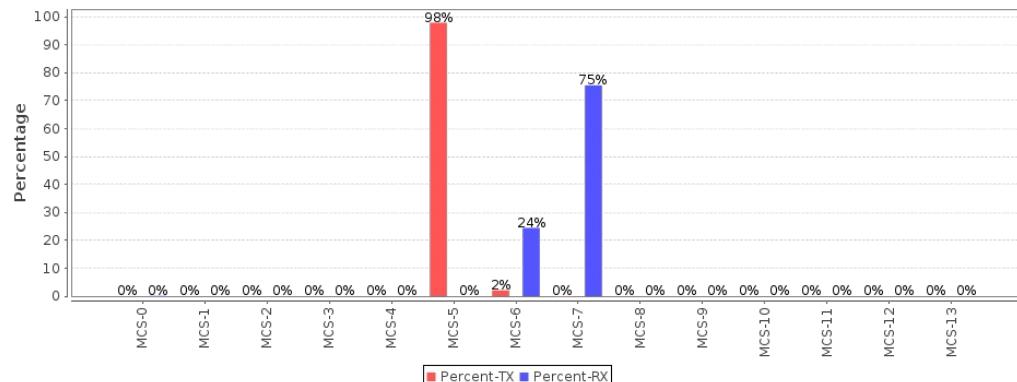
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	264.655 Mbps	495.215 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	217.589 Mbps	156.158 Mbps	1200108	861256	-2	7	0	0.010	0
cv_udp-3.2-4.wlan0--1.0.0-B	156.148 Mbps	217.614 Mbps	854876	1191220	9	7	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-A	217.589 Mbps	156.152 Mbps	1200460	861476	-3	7	0	0.026	0
cv_udp-3.2-4.wlan0--1.0.1-B	156.13 Mbps	217.607 Mbps	852148	1187515	10	7	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

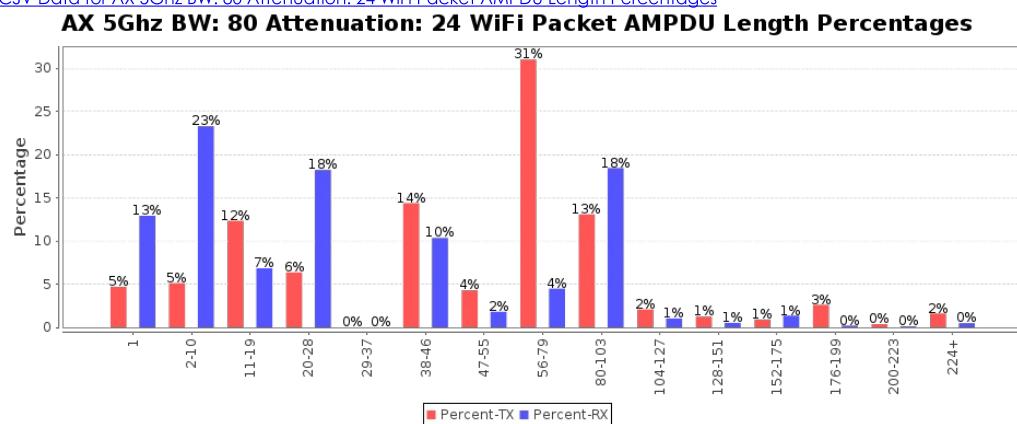
[CSV Data for AX 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages](#)

### AX 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AX 5Ghz BW: 80 Attenuation: 24 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 5Ghz BW: 80 Attenuation: 24](#)

### AX 5Ghz BW: 80 Attenuation: 24 Snapshot

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
1.4.14 wlan0	302.438 Mbps	73.246 Mbps	2.093	576.4 Mbps	324.2 Mbps	802.11an-AX 80 2x2	36	85	-61	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

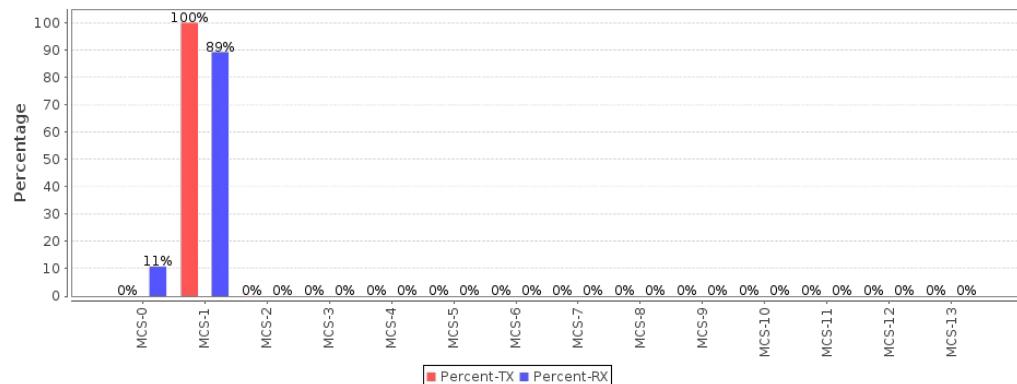
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	81.588 Mbps	290.027 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	102.538 Mbps	61.712 Mbps	557479	335474	0	7	0	0.013	0
cv_udp-3.2-4.wlan0--1.0.0-B	61.714 Mbps	102.545 Mbps	335518	557479	7	7	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-A	102.559 Mbps	61.711 Mbps	557743	335562	0	7	0	0.026	0
cv_udp-3.2-4.wlan0--1.0.1-B	61.708 Mbps	102.543 Mbps	335650	557743	7	7	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

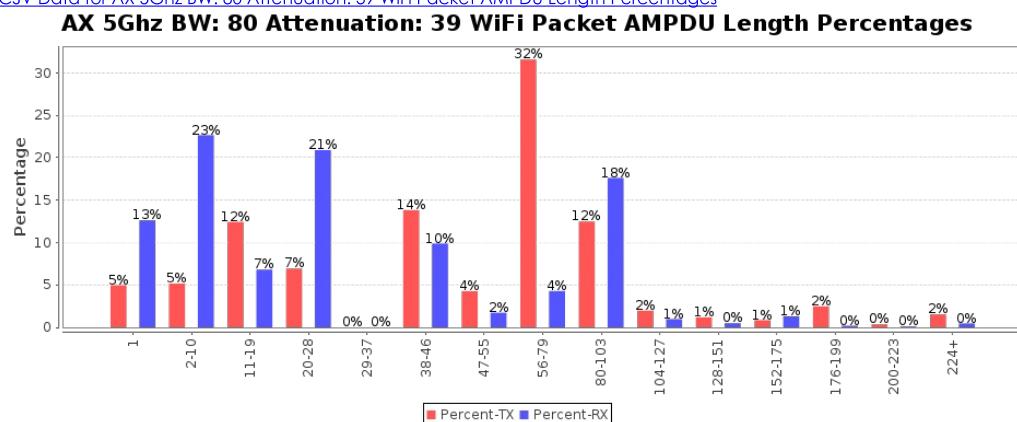
[CSV Data for AX 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages](#)

### AX 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for AX 5Ghz BW: 80 Attenuation: 39 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AX 5Ghz BW: 80 Attenuation: 39

### AX 5Ghz BW: 80

#### Attenuation: 39 Snapshot

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
1.4.14 wlan0	48.769 Mbps	23.978 Mbps	2.829	144.1 Mbps	72 Mbps	802.11ac-AX 80 2x2	36	85	-75	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

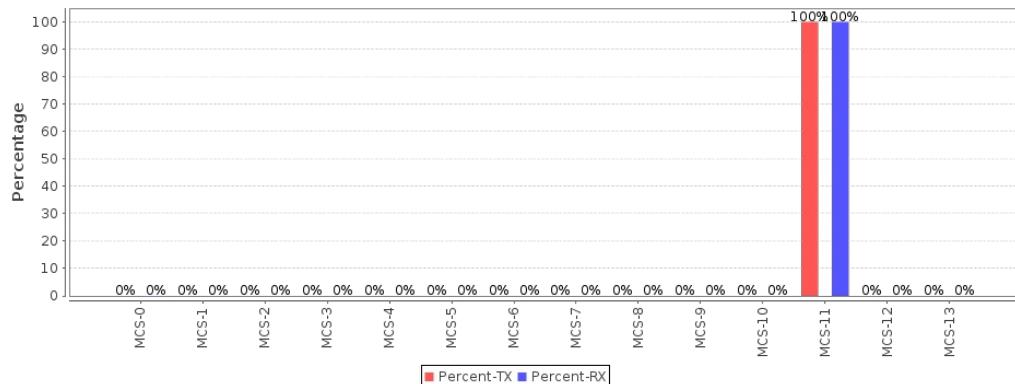
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	25.8 Mbps	46.019 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	23.501 Mbps	13.172 Mbps	128838	72209	7	26	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	13.176 Mbps	23.5 Mbps	72428	129190	19	26	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-A	23.504 Mbps	13.173 Mbps	129233	72427	10	21	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	13.171 Mbps	23.499 Mbps	71327	127253	11	21	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

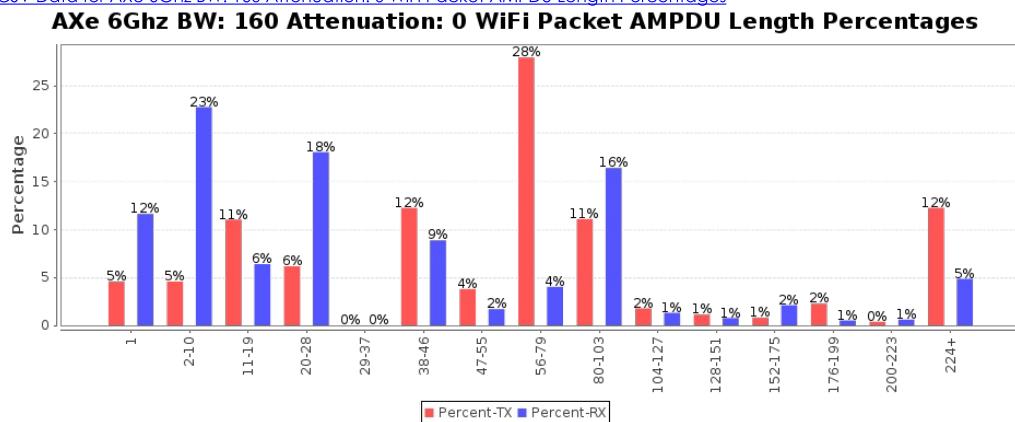
#### CSV Data for AXe 6Ghz BW: 160 Attenuation: 0 WiFi Packet MCS Percentages

### AXe 6Ghz BW: 160 Attenuation: 0 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for AXe 6Ghz BW: 160 Attenuation: 0 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AXe 6Ghz BW: 160 Attenuation: 0

### AXe 6Ghz BW: 160 Attenuation: 0 Snapshot

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
1.4.14 wlan0	1.223 Gbps	577.024 Mbps	0.013	2401.9 Mbps	2.402 Gbps	80.11a-AX 160 2x2		259	88	-35	52:ED:00:14:F5:F4	192.168.0.104

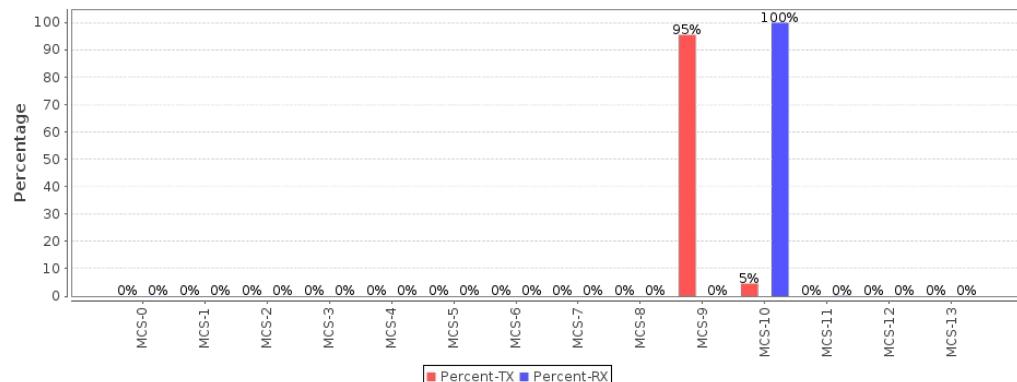
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	517.371 Mbps	1.334 Gbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	447.546 Mbps	431.408 Mbps	2436380	2348294	-2	14	0	0	0
cv_udp-3.2-4.wlan0--1.0.0-B	431.281 Mbps	447.432 Mbps	2312038	2398117	16	14	0	0.043	0
cv_udp-3.2-4.wlan0--1.0.1-A	447.551 Mbps	431.418 Mbps	2437128	2349042	-3	13	0	0.021	0
cv_udp-3.2-4.wlan0--1.0.1-B	431.334 Mbps	447.441 Mbps	2341826	2428772	16	13	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

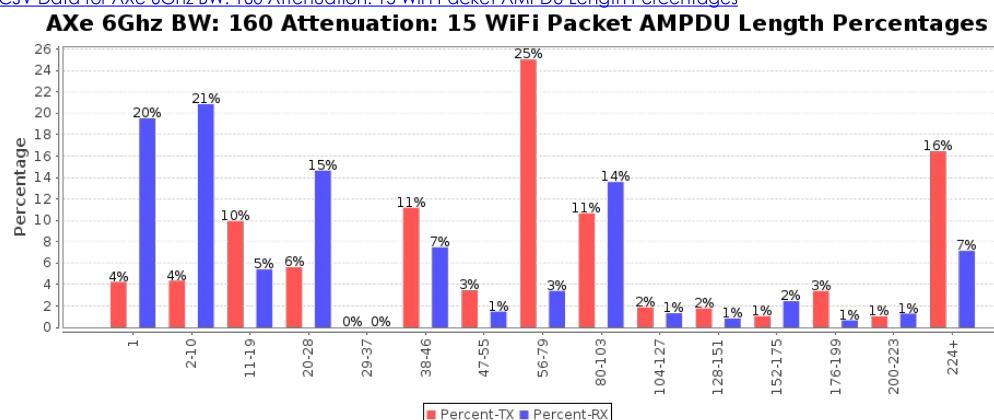
#### CSV Data for AXe 6Ghz BW: 160 Attenuation: 15 WiFi Packet MCS Percentages

### AXe 6Ghz BW: 160 Attenuation: 15 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AXe 6Ghz BW: 160 Attenuation: 15 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AXe 6Ghz BW: 160 Attenuation: 15](#)

### AXe 6Ghz BW: 160 Attenuation: 15 Snapshot

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
1.4.14 wlan0	1.088 Gbps	415.691 Mbps	0.67	2161.3 Mbps	2.161 Gbps	802.11a-AX 160 2x2	259	88	-50	52:ED:00:14:F5:F4	192.168.0.104	e4:60:17:65:83:8f

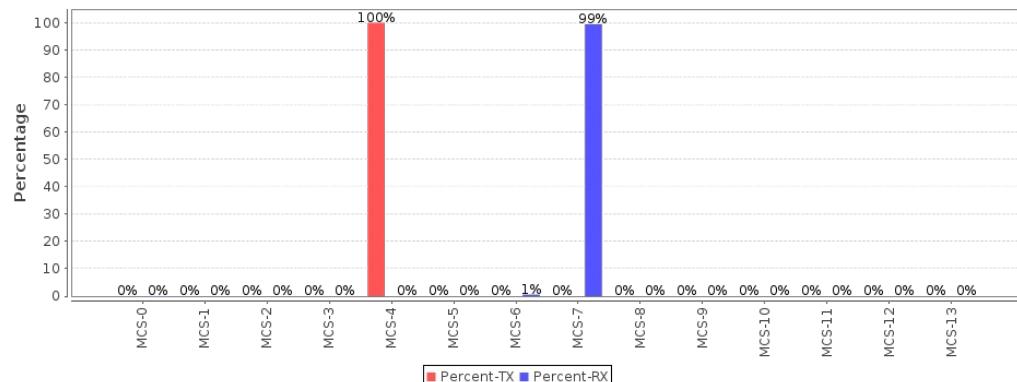
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	701.205 Mbps	743.039 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	357.12 Mbps	382.581 Mbps	1957951	2097365	-2	6	0	0.010	0
cv_udp-3.2-4.wlan0--1.0.0-B	382.603 Mbps	357.235 Mbps	2097585	1957863	8	6	0	0.004	0
cv_udp-3.2-4.wlan0--1.0.1-A	357.127 Mbps	382.567 Mbps	1958500	2097849	-4	3	0	0.021	0
cv_udp-3.2-4.wlan0--1.0.1-B	382.543 Mbps	357.162 Mbps	2098289	1958456	7	3	0	0.002	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

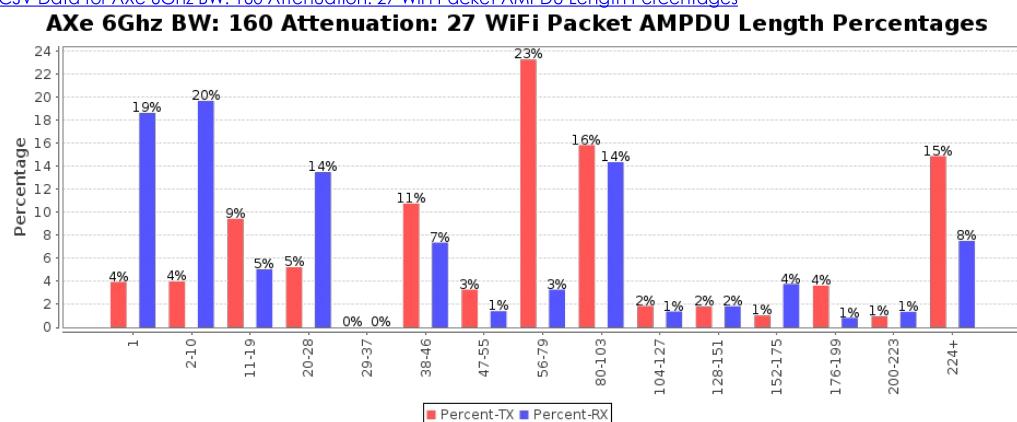
[CSV Data for AXe 6Ghz BW: 160 Attenuation: 27 WiFi Packet MCS Percentages](#)

### AXe 6Ghz BW: 160 Attenuation: 27 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for AXe 6Ghz BW: 160 Attenuation: 27 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test AXe 6Ghz BW: 160 Attenuation: 27](#)

### AXe 6Ghz BW: 160 Attenuation: 27 Snapshot

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
1.4.14 wlan0	339.368 Mbps	443.45 Mbps	2.121	864.6 Mbps	1.441 Gbps	802.11a-AX 160 2x2	259	88	-61	52:ED:00:14:F5:F4	192.168.0.104	e4:60:17:65:83:8f

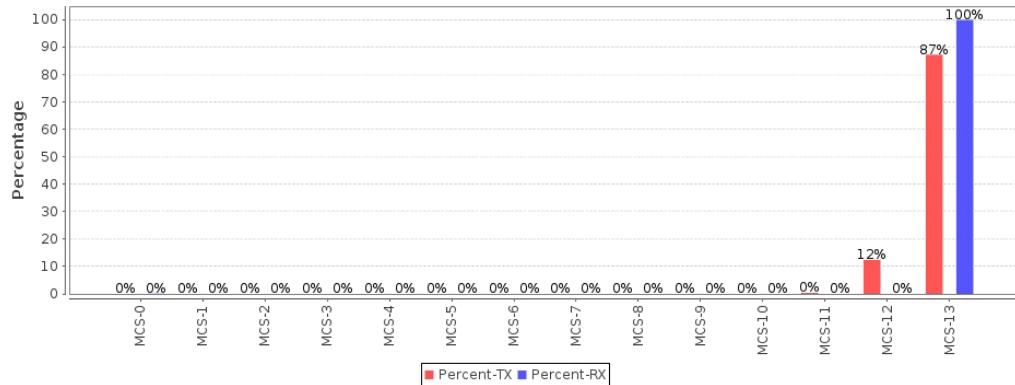
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	332.604 Mbps	440.942 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	157.903 Mbps	249.201 Mbps	862666	1361483	-3	5	0	0	0
cv_udp-3.2-4.wlan0--1.0.0-B	249.157 Mbps	157.906 Mbps	1348855	854746	8	5	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-A	157.896 Mbps	249.193 Mbps	865878	1366543	0	7	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-B	249.134 Mbps	157.908 Mbps	1344587	852106	7	7	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

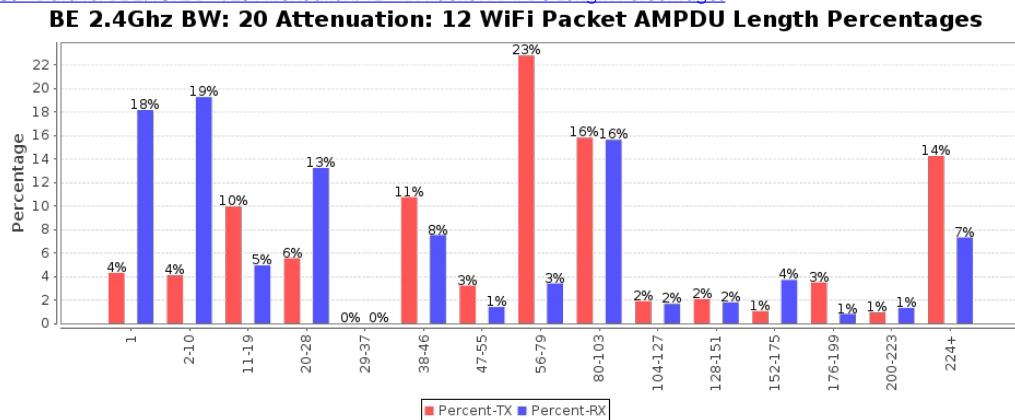
[CSV Data for BE 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages](#)

### BE 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for BE 2.4Ghz BW: 20 Attenuation: 12 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 2.4Ghz BW: 20 Attenuation: 12

### BE 2.4Ghz BW: 20 Attenuation: 12 Snapshot

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
1.4.14 wlan0	118.372 Mbps	85.895 Mbps	61.842	344.1 Mbps	344.1 Mbps	802.11bgn-BE 20 2x2	6	96	-35	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

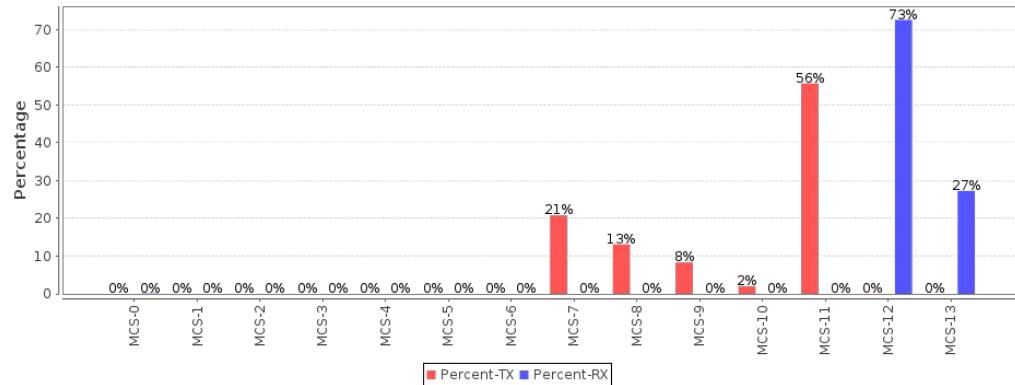
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	102.193 Mbps	98.068 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	48.771 Mbps	54.288 Mbps	266296	296218	5	17	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	54.292 Mbps	48.778 Mbps	296262	266264	12	17	0	0.012	0
cv_udp-3.2-4.wlan0-1.0.1-A	48.774 Mbps	54.29 Mbps	266384	296306	2	11	0	0.030	0
cv_udp-3.2-4.wlan0-1.0.1-B	54.277 Mbps	48.752 Mbps	294282	264412	9	11	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

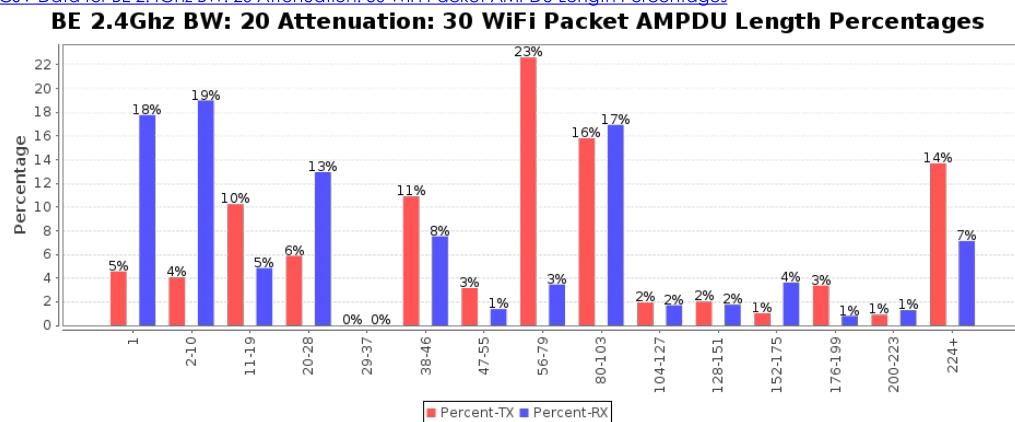
#### CSV Data for BE 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages

### BE 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for BE 2.4Ghz BW: 20 Attenuation: 30 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 2.4Ghz BW: 20 Attenuation: 30

### BE 2.4Ghz BW: 20 Attenuation: 30 Snapshot

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
1.4.14 wlan0	107.272 Mbps	63.547 Mbps	49.11	286.7 Mbps	309.6 Mbps	802.11bgn-BE 20x2	6	96	-53	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

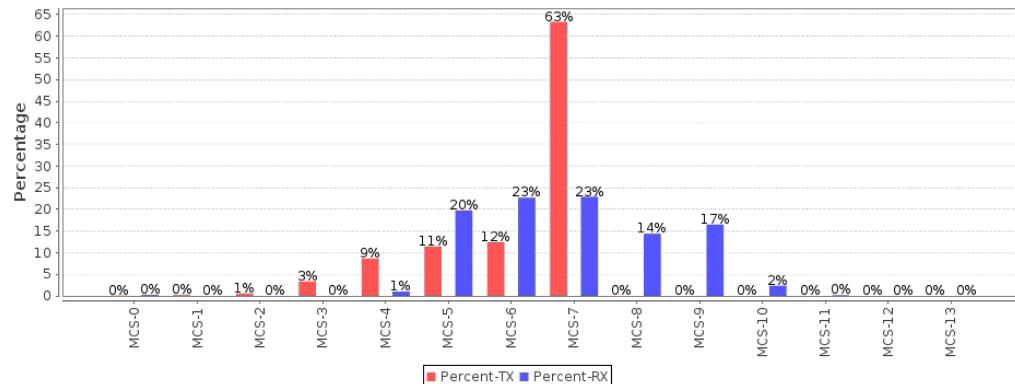
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	71.056 Mbps	100.488 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-0-1.0-0-A	37.59 Mbps	49.149 Mbps	205528	267839	0	12	0	0.016	0
cv_udp-3.2-4.wlan0-0-1.0-0-B	49.154 Mbps	37.603 Mbps	267883	205430	12	12	0	0.048	0
cv_udp-3.2-4.wlan0-0-1.0-1-A	37.605 Mbps	49.152 Mbps	205224	267927	4	43	0	0.033	0
cv_udp-3.2-4.wlan0-0-1.0-1-B	49.144 Mbps	37.589 Mbps	267399	204678	39	43	0	0.266	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

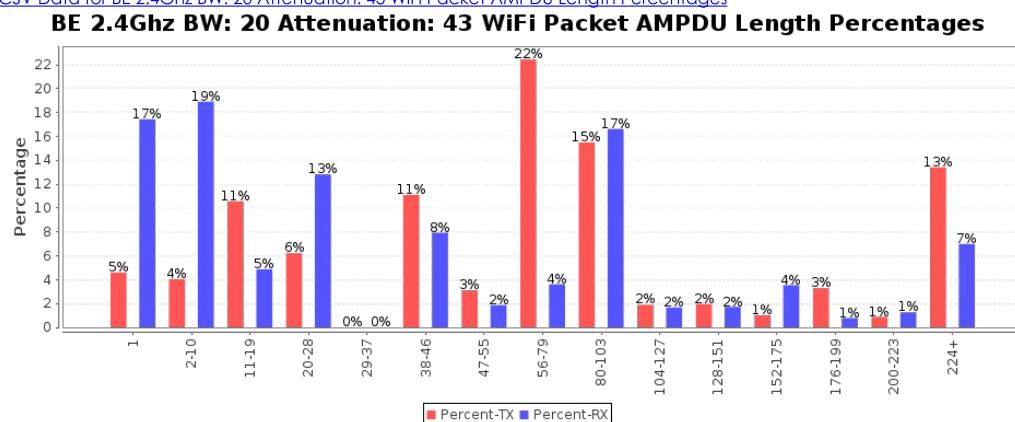
#### CSV Data for BE 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages

### BE 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

#### CSV Data for BE 2.4Ghz BW: 20 Attenuation: 43 WiFi Packet AMPDU Length Percentages



#### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 2.4Ghz BW: 20 Attenuation: 43

### BE 2.4Ghz BW: 20 Attenuation: 43 Snapshot

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
1.4.14 wlan0	24.981 Mbps	40.153 Mbps	45.658	172 Mbps	229.4 Mbps	802.11bgn-BE 20x2		6	96	40:ED:00:14:F5:F2	192.168.0.104	e4:60:17:65:83:8f

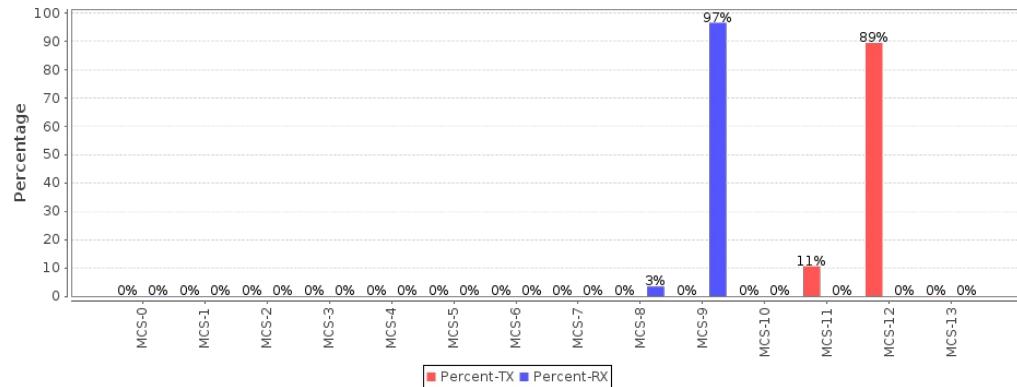
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	24.239 Mbps	40.887 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-0-1.0-0-A	12.519 Mbps	20.319 Mbps	68202	110875	7	18	0	0	0
cv_udp-3.2-4.wlan0-0-1.0-0-B	20.33 Mbps	12.541 Mbps	111192	68318	11	18	0	0	0
cv_udp-3.2-4.wlan0-0-1.0-1-A	12.535 Mbps	20.336 Mbps	68466	111292	1	12	0	0.108	0
cv_udp-3.2-4.wlan0-0-1.0-1-B	20.344 Mbps	12.548 Mbps	111412	68439	11	12	0	0.039	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

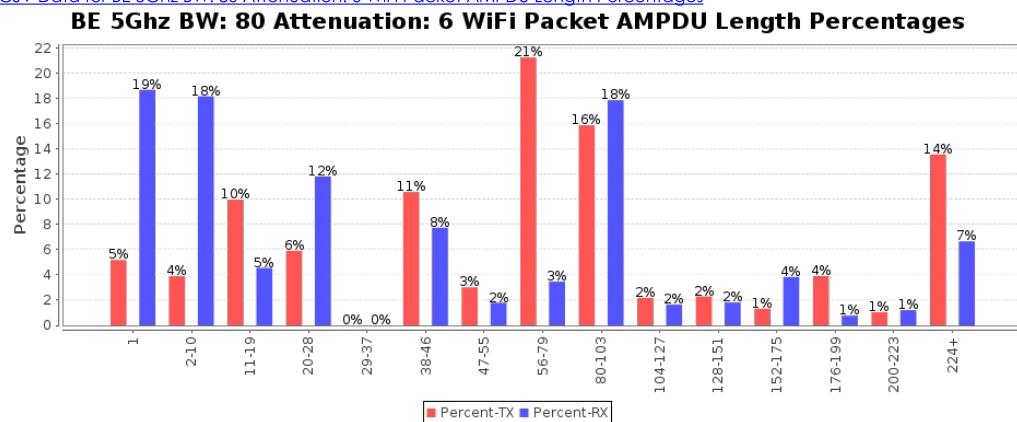
#### CSV Data for BE 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages

### BE 5Ghz BW: 80 Attenuation: 6 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for BE 5Ghz BW: 80 Attenuation: 6 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 5Ghz BW: 80 Attenuation: 6](#)

### BE 5Ghz BW: 80 Attenuation: 6 Snapshot

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
1.4.14 wlan0	545.446 Mbps	228.035 Mbps	18.189	1296.7 Mbps	960.7 Mbps	802.11an-BE 80x2	36	88	-42	40:ED:00:14:F5:F3	192.168.0.104	e4:60:17:65:83:8f

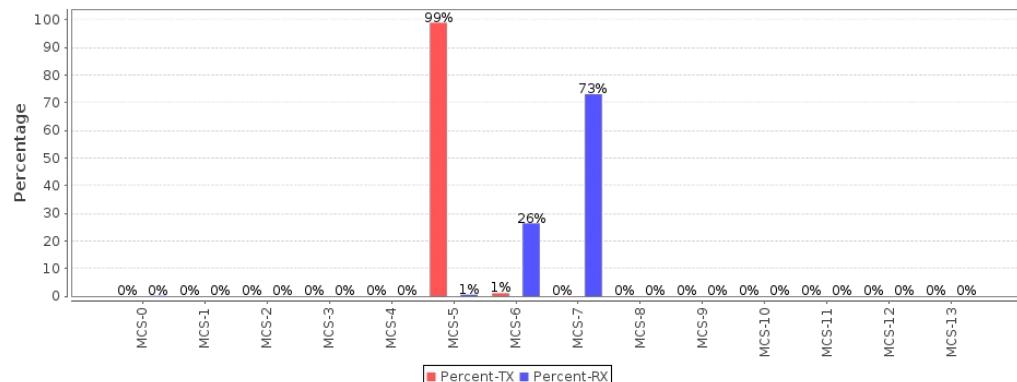
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	242.416 Mbps	528.516 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	210.256 Mbps	157.447 Mbps	1146158	858133	-1	7	0	0.005	0
cv_udp-3.2-4.wlan0--1.0.0-B	157.43 Mbps	210.294 Mbps	858177	1146114	8	7	0	0.004	0
cv_udp-3.2-4.wlan0--1.0.1-A	210.283 Mbps	157.454 Mbps	1146598	858397	-1	4	0	0.026	0
cv_udp-3.2-4.wlan0--1.0.1-B	157.432 Mbps	210.28 Mbps	858617	1146598	5	4	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

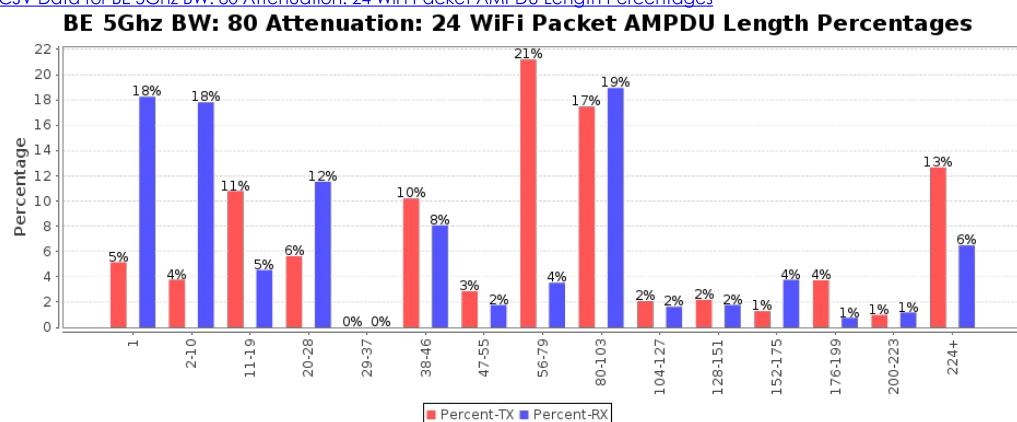
[CSV Data for BE 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages](#)

### BE 5Ghz BW: 80 Attenuation: 24 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

### CSV Data for BE 5Ghz BW: 80 Attenuation: 24 WiFi Packet AMPDU Length Percentages



### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 5Ghz BW: 80 Attenuation: 24

#### BE 5Ghz BW: 80

#### Attenuation: 24 Snapshot

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
1.4.14 wlan0	293.731 Mbps	68.061 Mbps	14.642	648.5 Mbps	360.3 Mbps	802.11an-BE 80 2x2		36	88	-62	40:ED:00:14:F5:F3	192.168.0.104 e4:60:17:65:83:8f

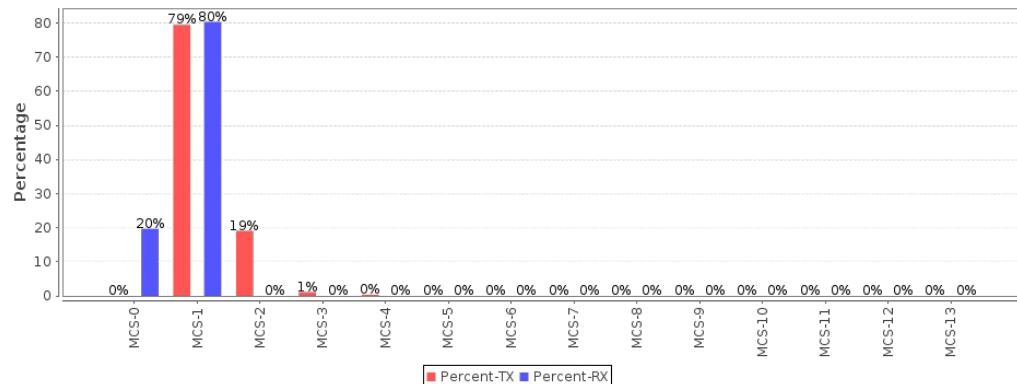
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	70.586 Mbps	294.124 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-1.0.0-A	99.543 Mbps	57.002 Mbps	544336	311666	0	6	0	0	0
cv_udp-3.2-4.wlan0-1.0.0-B	57.002 Mbps	99.566 Mbps	311577	544126	6	6	0	0.039	0
cv_udp-3.2-4.wlan0-1.0.1-A	99.539 Mbps	56.988 Mbps	545745	312413	4	21	0	0	0
cv_udp-3.2-4.wlan0-1.0.1-B	56.984 Mbps	99.517 Mbps	310521	542187	17	21	0	0.394	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

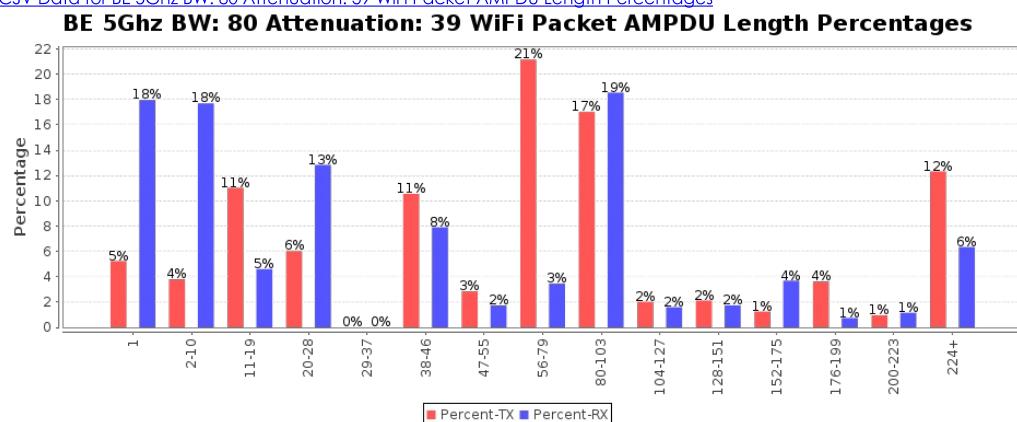
### CSV Data for BE 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages

### BE 5Ghz BW: 80 Attenuation: 39 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for BE 5Ghz BW: 80 Attenuation: 39 WiFi Packet AMPDU Length Percentages](#)



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 5Ghz BW: 80 Attenuation: 39](#)

BE 5Ghz BW: 80

Attenuation: 39 Snapshot

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
1.4.14 wlan0	48.036 Mbps	20.359 Mbps	14.319	144.1 Mbps	72 Mbps	802.11an-BE 80 2x2		36	88	-75	40:ED:00:14:F5:F3	192.168.0.104

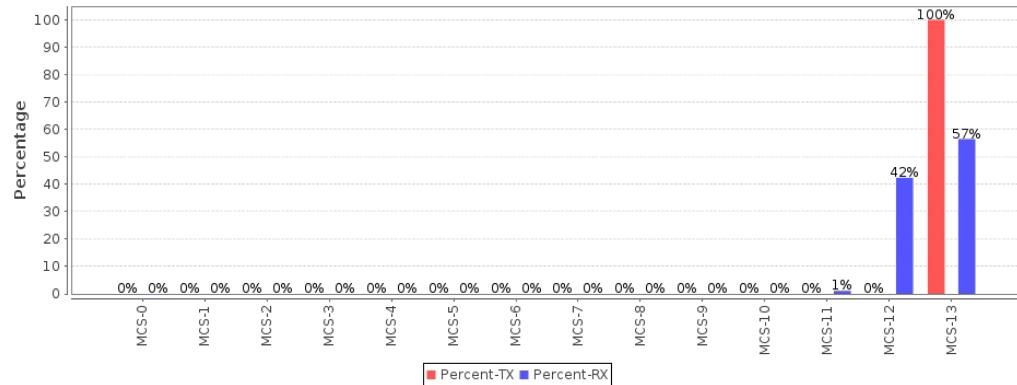
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	20.567 Mbps	47.404 Mbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0-0-1.0-0-A	21.342 Mbps	11.609 Mbps	117000	63670	6	22	1	0.069	0
cv_udp-3.2-4.wlan0-0-1.0-0-B	11.617 Mbps	21.341 Mbps	63714	117000	16	22	0	0	0
cv_udp-3.2-4.wlan0-0-1.0-1-A	21.344 Mbps	11.623 Mbps	117042	63714	16	29	0	0	0
cv_udp-3.2-4.wlan0-0-1.0-1-B	11.611 Mbps	21.338 Mbps	63714	117042	13	29	0	0	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for BE 6Ghz BW: 320 Attenuation: 0 WiFi Packet MCS Percentages](#)

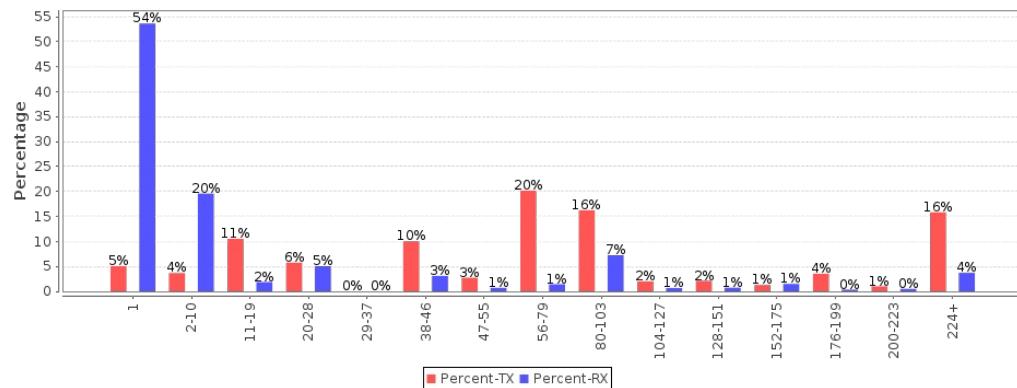
### BE 6Ghz BW: 320 Attenuation: 0 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

[CSV Data for BE 6Ghz BW: 320 Attenuation: 0 WiFi Packet AMPDU Length Percentages](#)

### BE 6Ghz BW: 320 Attenuation: 0 WiFi Packet AMPDU Length Percentages



[Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 6Ghz BW: 320 Attenuation: 0](#)

### BE 6Ghz BW: 320 Attenuation: 0 Snapshot

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
1.4.14 wlan0	2.664 Gbps	1.111 Gbps	14.034	5764.6 Mbps	5.187 Gbps	802.11a-BE 320 2x2	259	61	-34	52:ED:00:14:F5:F4	192.168.0.104	e4:60:17:65:83:8f

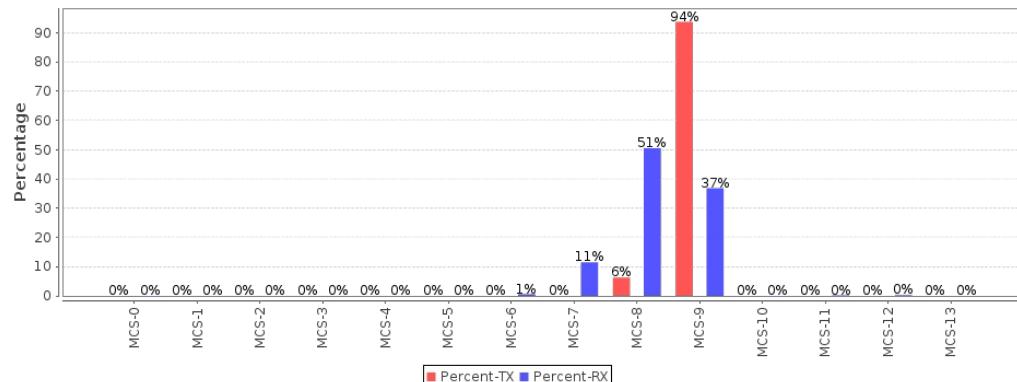
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	1.641 Gbps	1.94 Gbps	10 Gbps	192.168.0.54	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	976.272 Mbps	823.165 Mbps	5307750	4465850	5	32	0	0.603	0
cv_udp-3.2-4.wlan0--1.0.0-B	828.105 Mbps	975.431 Mbps	4492923	5300737	27	32	0	0.132	0
cv_udp-3.2-4.wlan0--1.0.1-A	976.042 Mbps	822.834 Mbps	5294059	4465688	0	15	0	0.663	0
cv_udp-3.2-4.wlan0--1.0.1-B	828.169 Mbps	975.432 Mbps	4495512	5290263	15	15	0	0.072	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

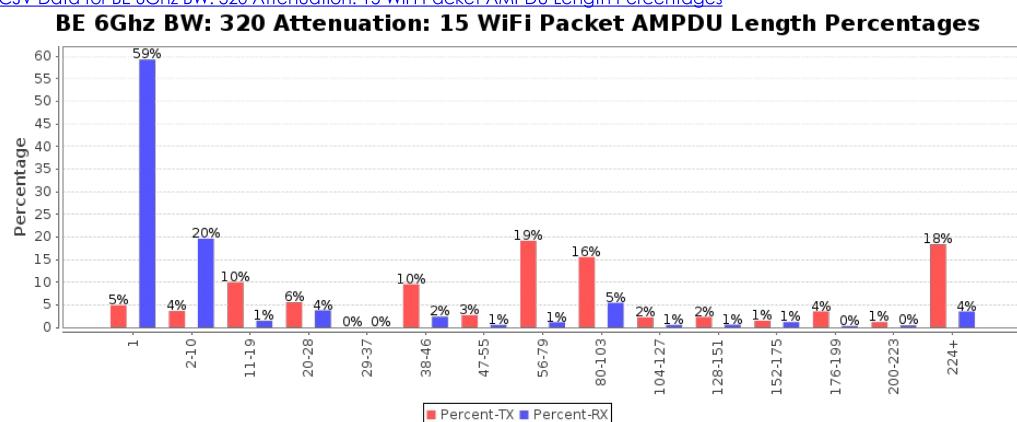
[CSV Data for BE 6Ghz BW: 320 Attenuation: 15 WiFi Packet MCS Percentages](#)

### BE 6Ghz BW: 320 Attenuation: 15 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

### CSV Data for BE 6Ghz BW: 320 Attenuation: 15 WiFi Packet AMPDU Length Percentages



### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 6Ghz BW: 320 Attenuation: 15

#### BE 6Ghz BW: 320 Attenuation: 15 Snapshot

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
1.4.14 wlan0	1.236 Gbps	1.103 Gbps	10.003	3843.1 Mbps	2.883 Gbps	802.11a-BE 320 2x2	259	61	-48	52:ED:00:14:F5:F4	192.168.0.104	e4:60:17:65:83:8f

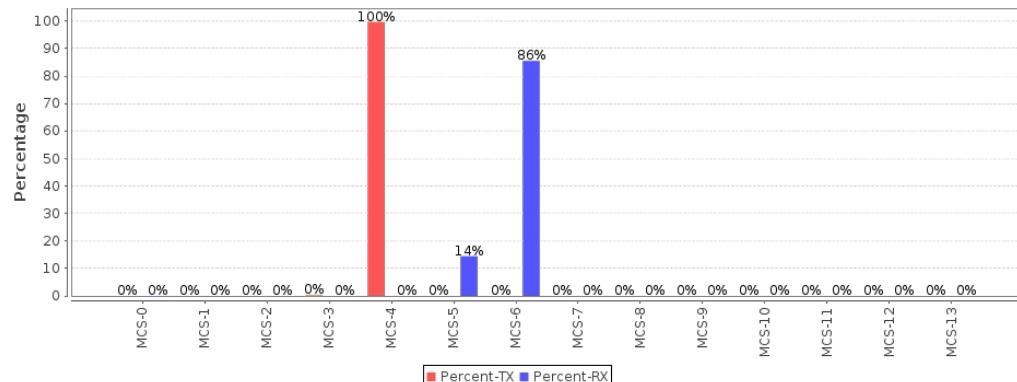
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	916.479 Mbps	1.491 Gbps	10 Gbps	192.168.0.56	9c:69:b4:63:76:c4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-3.2-4.wlan0--1.0.0-A	625.747 Mbps	567.943 Mbps	3433624	3111808	81	102	0	0	0
cv_udp-3.2-4.wlan0--1.0.0-B	574.664 Mbps	625.085 Mbps	3107384	3386879	21	102	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-A	625.595 Mbps	568.184 Mbps	3426419	3114147	55	72	0	1.118	0
cv_udp-3.2-4.wlan0--1.0.1-B	574.737 Mbps	625.467 Mbps	3120474	3393587	17	72	0	0.307	0

Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

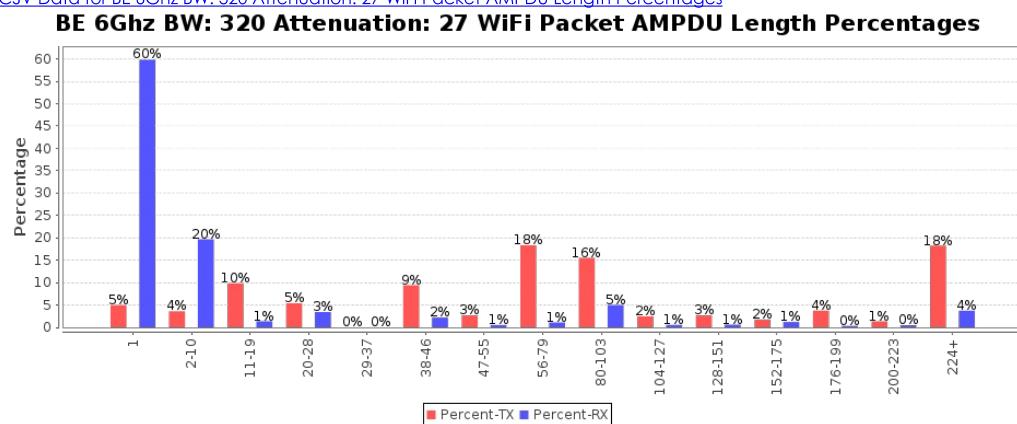
### CSV Data for BE 6Ghz BW: 320 Attenuation: 27 WiFi Packet MCS Percentages

### BE 6Ghz BW: 320 Attenuation: 27 WiFi Packet MCS Percentages



Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility into the AMPDU chain length used in this test.

### CSV Data for BE 6Ghz BW: 320 Attenuation: 27 WiFi Packet AMPDU Length Percentages



### Collected CSV Data: CSV: 6.2.5 Bidirectional UDP Throughput Test BE 6Ghz BW: 320 Attenuation: 27

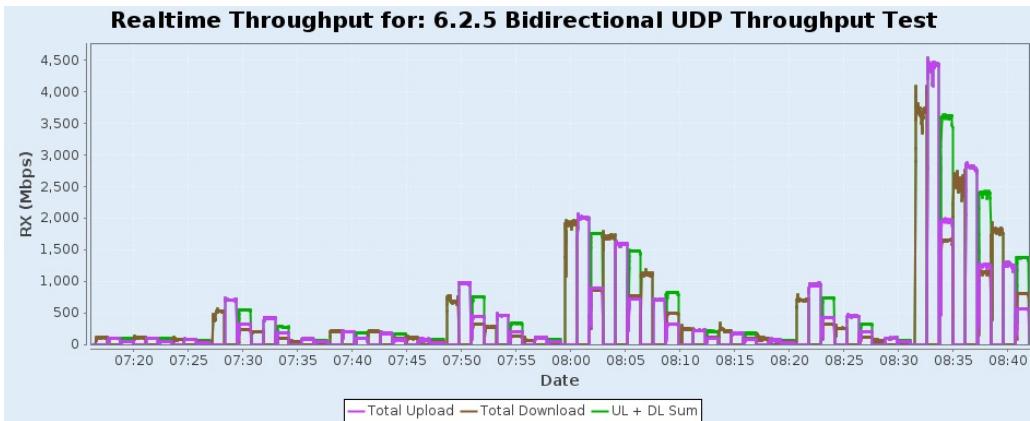
#### BE 6Ghz BW: 320 Attenuation: 27 Snapshot

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
1.4.14 wlan0	699.22 Mbps	599.823 Mbps	11.728	1729.3 Mbps	2.594 Gbps	802.11a-BE 320 2x2	259	61	-59	52:ED:00:14:F5:F4	192.168.0.104	e4:60:17:65:83:8f

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	501.2 Mbps	811.999 Mbps	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-3.2-4.wlan0--1.0.0-A	279.743 Mbps	404.387 Mbps	1530384	2211817	0	7	0	0	0
cv_udp-3.2-4.wlan0--1.0.0-B	404.307 Mbps	279.702 Mbps	2205095	1525440	7	7	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-A	279.758 Mbps	404.319 Mbps	1533263	2215523	5	15	0	0	0
cv_udp-3.2-4.wlan0--1.0.1-B	404.287 Mbps	279.659 Mbps	2208395	1527596	10	15	0	0	0

Realtime Throughput for: 6.2.5 Bidirectional UDP Throughput 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	6
Channel 5Ghz	36
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	false
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	125
AX Rotation 5Ghz	125
Opposite-Speed:	20000
1Gbps Throughput Limit:	925000000
Max allowed packet loss%:	0.01
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
Virt-Sta Radio 1	1.4.wiphy0 Firmware: 86.fb5c9aeb.0 gl-c0-fm-c0-86.uc Resource: ct523c-ccbc
AX Radio 0	1.4.wiphy0 Firmware: 86.fb5c9aeb.0 gl-c0-fm-c0-86.uc Resource: ct523c-ccbc
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
AX Attenuator 0	AX rssi-0-2.4Ghz: -29 rssi-0-5Ghz: -36 atten: 1.2.7.2
AX Attenuator 1	AX rssi-0-2.4Ghz: -29 rssi-0-5Ghz: -36 atten: 1.2.7.3
AX Attenuator 4	AX rssi-0-2.4Ghz: -31 rssi-0-5Ghz: -37 atten: 1.2.3300.2
AX Attenuator 5	AX rssi-0-2.4Ghz: -31 rssi-0-5Ghz: -37 atten: 1.2.3300.3
AX Attenuator 8	AX rssi-0-2.4Ghz: -29 rssi-0-5Ghz: -38 atten: 1.2.7.0

AX Attenuator 9	AX rssI-0-2.4Ghz: -29 rssI-0-5Ghz: -38 atten: 1.2.7.1
AX Attenuator 12	AX rssI-0-2.4Ghz: -35 rssI-0-5Ghz: -46 atten: 1.2.3300.0
AX Attenuator 14	AX rssI-0-2.4Ghz: -35 rssI-0-5Ghz: -46 atten: 1.2.3300.1
AX Attenuator 16	AX rssI-0-2.4Ghz: -35 rssI-0-5Ghz: -46 atten: 1.2.3300.0
AX Attenuator 18	AX rssI-0-2.4Ghz: 5 rssI-0-5Ghz: -46 atten: 1.2.3300.1
AX Attenuator 20	AX rssI-0-2.4Ghz: -35 rssI-0-5Ghz: -46 atten: 1.2.3300.0
AX Attenuator 22	AX rssI-0-2.4Ghz: -35 rssI-0-5Ghz: -46 atten: 1.2.3300.1
AX Attenuator 24	AX rssI-0-2.4Ghz: -31 rssI-0-5Ghz: -43 atten: 1.2.3348.0
AX Attenuator 26	AX rssI-0-2.4Ghz: -31 rssI-0-5Ghz: -43 atten: 1.2.3348.1
AX Attenuator 28	AX rssI-0-2.4Ghz: -26 rssI-0-5Ghz: -27 atten: 1.2.3348.2
AX Attenuator 30	AX rssI-0-2.4Ghz: -26 rssI-0-5Ghz: -27 atten: 1.2.3348.2
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-rc5+
Details for Resource: 1.4	Hostname: ct523c-ccbc LANforge ver: 5.4.7 64bit Kernel-Version: 6.7.0-rc5+
Show Events	true
Build Date	Mon Dec 18 07:13:27 AM PST 2023

Git Version

b14b1210bc2979cf69ed9d255172b6c04815c26f

[CSV Data](#)

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

---

Generated by Candela Technologies LANforge network testing tool.  
[www.candlatech.com](http://www.candlatech.com)

