

TR-398 Issue 4

WiFi Performance Test Plan

Wed Dec 18 09:41:26 PST 2024



Test Setup Information	
Device Under Test	TR398 AP
Operator	Ben Greear
Estimated Run Time	10 m
Actual Run Time	14.283 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
6.2.9 OFDMA Test (31-STA)	BW	n/AC	AX	BE	550	14.066 m	BE 6GHz OFDMA Download 1,542.89 Mbps No-OFDMA 452.37 Mbps OFDMA-Enabled Percentage Improvement: 241.07% BE 6GHz OFDMA Upload 1,278.17 Mbps No-OFDMA 35.90 Mbps OFDMA-Enabled Percentage Improvement: 3,460.31%
	2.4Ghz						
	5Ghz						
	6Ghz			Pass			
	MLO						

6.2.9 OFDMA Test (31-STA)

Summary

The OFDMA test compares throughput with OFDMA enabled and disabled. The traffic load consists of 30 stations doing moderate speed traffic flows of 700 byte UDP payloads. Experimentation has shown that this traffic pattern causes OFDMA to happen on many APs. The 31st station runs a TCP connection with unlimited offered load. If OFDMA works well, the traffic to the UDP traffic stations should use less airtime due to a single tx-operation being able to send to multiple stations at once. This in turn should allow the TCP connection to run at higher speed.

Test Procedure

These steps are done for 2.4GHz, 5GHz and 6GHz bands for Wifi-6 and Wifi-7 modes, and for Download and Upload UDP traffic flows. The TCP data flow is always in the uplink direction. STAs used in this test MUST support OFDMA. This may preclude using virtual-stations for this test case. Each UDP connection requested rate is 1Mbps for 2.4GHz bands and 4Mbps for other bands.

1. Set to Medium AAV attenuation distance.
2. Set DUT AP to have OFDMA disabled.
3. Establish the LAN connection, create 31 stations and allow the 31 stations to associate with the DUT.
4. Create UDP connections with 700 byte UDP payload on 30 of the stations.
5. Create 1 TCP Upload connection set to run at maximum speed on the 31st station.
6. Start all connections and ramp up traffic for 30 seconds.
7. Calculate total throughput of all data connections over the next 2 minutes.
8. Record TCP throughput.
9. Record sum of UDP throughput.
10. Set DUT AP to have OFDMA enabled.
11. Repeat steps 3-9.

Pass/Fail Criteria

1. Total UDP + TCP throughput with OFDMA enabled must be at least 105% of non-OFDMA traffic total throughput.
2. Total UDP throughput with OFDMA enabled must be at least 95% of non-OFDMA traffic total throughput.

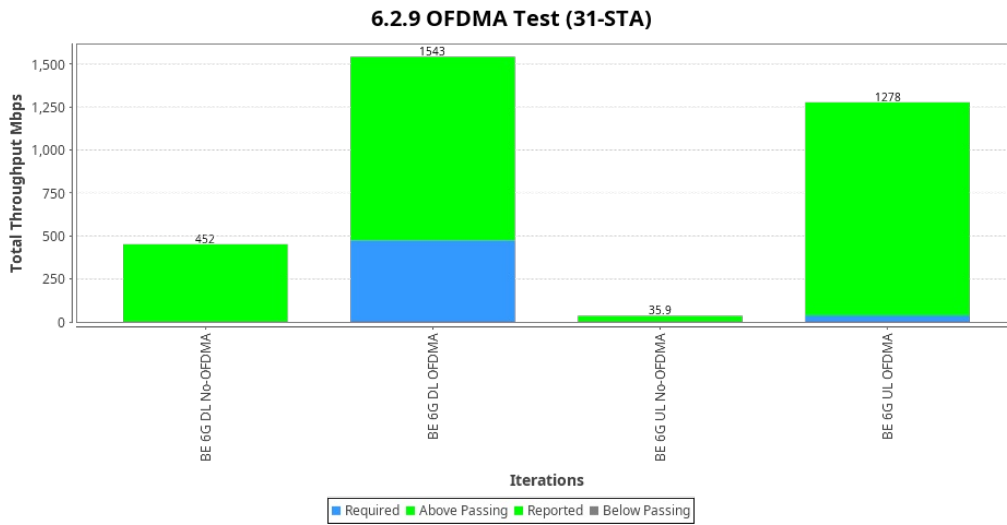
Candela Score

The Score is $((\text{OFDMA total UDP} + \text{TCP throughput}) * 95.0) / (\text{non-OFDMA total UDP} + \text{TCP throughput})$

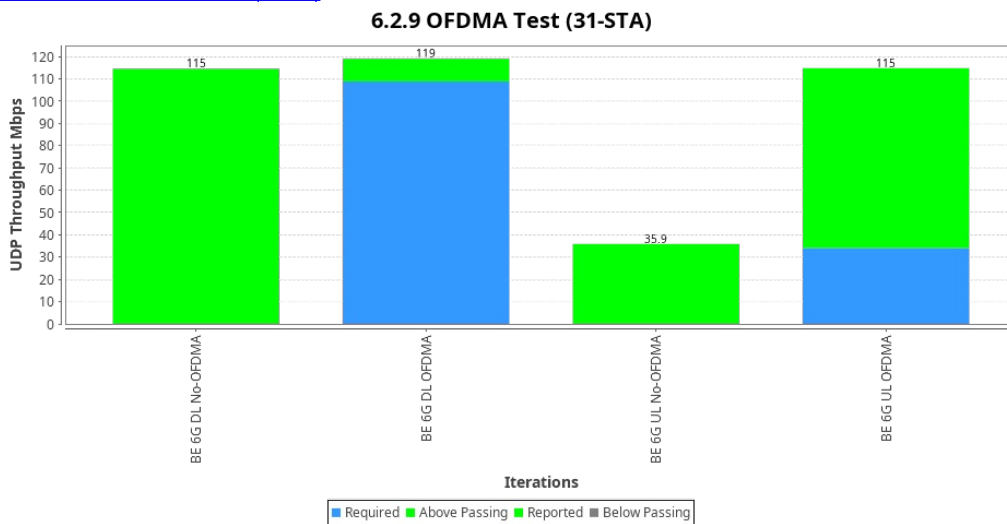
6.2.9 OFDMA Throughput Results

Type	Result	Value	P/F Value	Notes
Configuration NOTE	INFO			DUT Report Header: TX_RATE,RX_RATE,RSSI,SNR,OFDMA,BUSY
Configuration NOTE	INFO			Configured to skip 2.4GHz band test.
Configuration NOTE	INFO			Configured to skip 5GHz band test.
Configuration NOTE	INFO			Configured to skip AX test.
Configuration NOTE	INFO			Configured to skip 2.4GHz band test.
Configuration NOTE	INFO			Configured to skip 5GHz band test.
BE 6Ghz	INFO			Setting DUT to have OFDMA disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=ofdma:disabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz	INFO			Setting DUT to have MUMIMO disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=mumimo:disabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz OFDMA Disabled Download	NOTE			Not adding packet capture, anonymize_ap is enabled.
BE 6Ghz	INFO			Setting DUT to have OFDMA enabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=ofdma:enabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz	INFO			Setting DUT to have MUMIMO enabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=mumimo:enabled Response: Hidden: Anonymize-AP is enabled.

BE 6Ghz OFDMA Enabled Download	NOTE			Not adding packet capture, anonymize_ap is enabled.
BE 6Ghz Download UDP Total Throughput	PASS	119	109	UDP OFDMA 90th Percentile Latency: 67 Non-OFDMA: 433 UDP OFDMA Throughput: 119.03 Mbps Non-OFDMA: 114.56 Mbps OFDMA Percentage: 103.9%
BE 6Ghz Download Total Throughput	PASS	1,543	475	Total OFDMA Throughput: 1,542.89 Mbps Non-OFDMA: 452.37 Mbps OFDMA Percentage: 341.066%
BE 6Ghz	INFO			Setting DUT to have OFDMA disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=ofdma:disabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz	INFO			Setting DUT to have MUMIMO disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=mumimo:disabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz OFDMA Disabled Upload	NOTE			Not adding packet capture, anonymize_ap is enabled.
BE 6Ghz	INFO			Setting DUT to have OFDMA enabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=ofdma:enabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz	INFO			Setting DUT to have MUMIMO enabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=mumimo:enabled Response: Hidden: Anonymize-AP is enabled.
BE 6Ghz OFDMA Enabled Upload	NOTE			Not adding packet capture, anonymize_ap is enabled.
BE 6Ghz Upload UDP Total Throughput	PASS	115	34	UDP OFDMA 90th Percentile Latency: 73 Non-OFDMA: 423 UDP OFDMA Throughput: 114.81 Mbps Non-OFDMA: 35.90 Mbps OFDMA Percentage: 319.796%
BE 6Ghz Upload Total Throughput	PASS	1,278	38	Total OFDMA Throughput: 1,278.17 Mbps Non-OFDMA: 35.90 Mbps OFDMA Percentage: 3,560.312%
Configure 2.4Ghz	INFO			Setting DUT to have OFDMA disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r2g set=ofdma:disabled Response: Hidden: Anonymize-AP is enabled.
Configure 5Ghz	INFO			Setting DUT to have OFDMA disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r5g set=ofdma:disabled Response: Hidden: Anonymize-AP is enabled.
Configure 6Ghz	INFO			Setting DUT to have OFDMA disabled /home/greearb/ssh_remote.py --ip 192.168.100.157 --remote_args r6g set=ofdma:disabled Response: Hidden: Anonymize-AP is enabled.

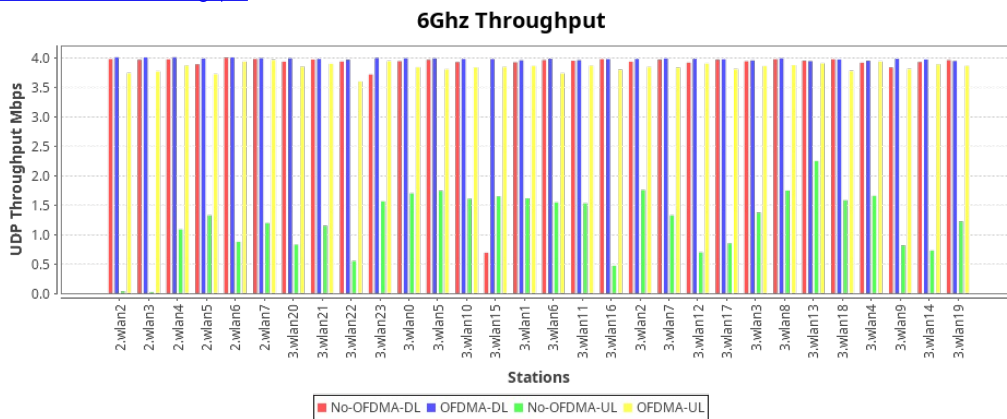


[CSV Data for 6.2.9 OFDMA Test \(31-STA\)](#)



BE 6Ghz UDP Throughput (goodput) for each station.

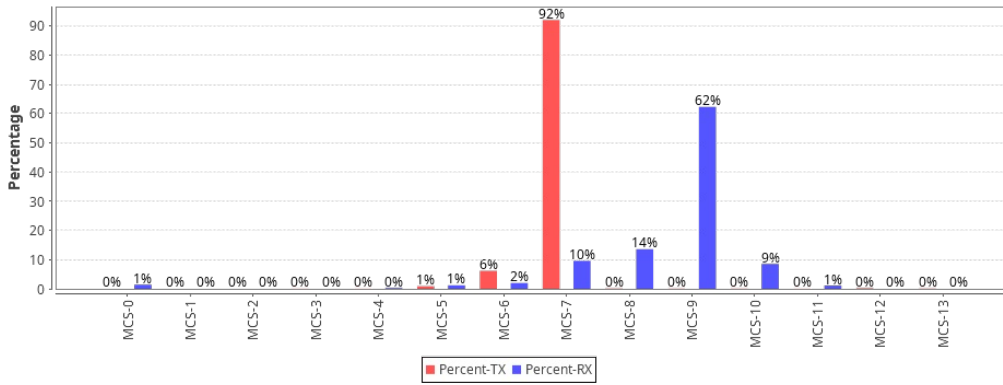
[CSV Data for 6Ghz Throughput](#)



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

[CSV Data for BE 6Ghz OFDMA Disabled Download WiFi Packet MCS Percentages](#)

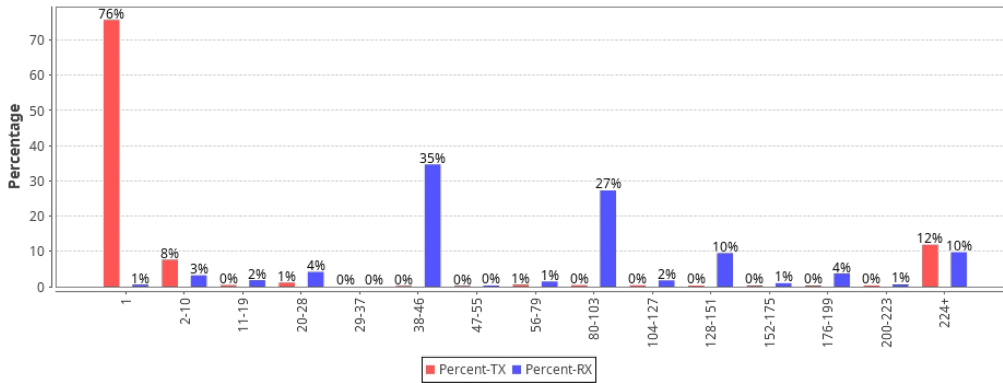
BE 6Ghz OFDMA Disabled Download WiFi Packet MCS Percentages



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 OFDMA Disabled Download WiFi Packet AMPDU Length Percentages](#)

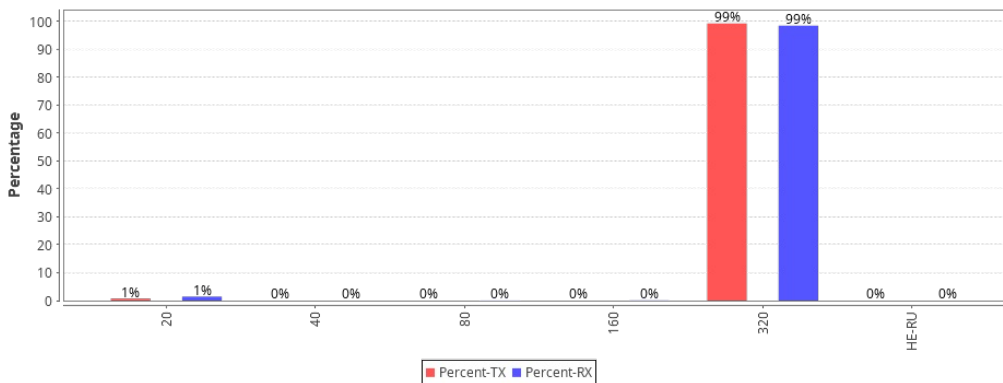
BE 6Ghz OFDMA Disabled Download WiFi Packet AMPDU Length Percentages



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

[CSV Data for BE 6Ghz OFDMA Disabled Download WiFi Bandwidth Percentages](#)

BE 6Ghz OFDMA Disabled Download WiFi Bandwidth Percentages



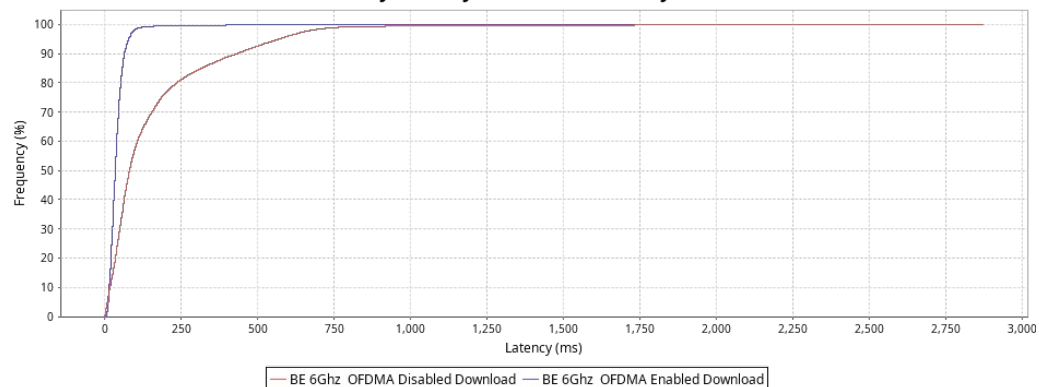
Distribution of latency values for Download UDP connections. Latency readings are clamped to a [-1, 10] second range.

● Min ● Max ● Avg

Frequency



One-Way Latency Cumulative Density Curve



OFDMA: Snapshot BE 6Ghz OFDMA Disabled Download while running taffic.

[illegible]

1.2.20 wlan0	334.272 Mbps	1.767 Mbps	52.618	1729.6 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	132	-52	[hidden]	192.168.1.197	e8:bf:b8:5a:12:f2
1.2.22 wlan2	20.071 Kbps	3.878 Mbps	56.296	1152.9 Mbps	1.729 Gbps	802.11a- BE 320 2x2	227	131	-49	[hidden]	192.168.1.187	e8:bf:b8:5a:12:e8
1.2.23 wlan3	20.001 Kbps	3.887 Mbps	34.572	1152.9 Mbps	2.306 Gbps	802.11a- BE 320 2x2	227	138	-51	[hidden]	192.168.1.242	e8:bf:b8:5a:17:2a
1.2.24 wlan4	20.01 Kbps	3.881 Mbps	25.212	1152.9 Mbps	4.323 Gbps	802.11a- BE 320 2x2	227	338	-45	[hidden]	192.168.1.193	e8:bf:b8:59:4e:67
1.2.25 wlan5	19.739 Kbps	3.811 Mbps	15.496	1152.9 Mbps	4.804 Gbps	802.11a- BE 320 2x2	227	169	-46	[hidden]	192.168.1.231	e8:bf:b8:5a:10:e0
1.2.26 wlan6	20.01 Kbps	3.885 Mbps	43.84	1152.9 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	316	-41	[hidden]	192.168.1.151	e8:bf:b8:5a:10:90
1.2.27 wlan7	19.95 Kbps	3.878 Mbps	35.12	1152.9 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	329	-41	[hidden]	192.168.1.103	e8:bf:b8:5a:0f:91
1.3.28 wlan20	20.598 Kbps	3.989 Mbps	17.874	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	141	-50	[hidden]	192.168.1.112	e8:bf:b8:5a:79:3b
1.3.29 wlan21	20.523 Kbps	3.955 Mbps	8.424	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	160	-49	[hidden]	192.168.1.236	e8:bf:b8:5a:79:22
1.3.30 wlan22	20.458 Kbps	3.998 Mbps	19.424	34.4 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	207	-48	[hidden]	192.168.1.241	e8:bf:b8:5a:79:27
1.3.31 wlan23	20.631 Kbps	3.997 Mbps	15.403	34.4 Mbps	4.323 Gbps	802.11a- BE 320 2x2	227	109	-51	[hidden]	192.168.1.164	e8:bf:b8:5a:11:6c
1.3.32 wlan0	20.469 Kbps	3.96 Mbps	23.874	34.4 Mbps	6 Mbps	802.11a- BE 320 2x2	227	296	-51	[hidden]	192.168.1.138	10:91:d1:96:26:7a
1.3.33 wlan5	20.523 Kbps	3.947 Mbps	17.402	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	211	-49	[hidden]	192.168.1.108	10:91:d1:96:76:48
1.3.34 wlan10	20.458 Kbps	3.979 Mbps	25	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	194	-49	[hidden]	192.168.1.237	10:91:d1:53:4d:5f
1.3.35 wlan15	20.523 Kbps	634.92 Kbps	22.529	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	164	-49	[hidden]	192.168.1.140	10:91:d1:53:15:bf
1.3.36 wlan1	20.479 Kbps	3.976 Mbps	22.936	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	127	-49	[hidden]	192.168.1.173	10:91:d1:96:85:98
1.3.37 wlan6	20.571 Kbps	3.961 Mbps	17.199	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	135	-49	[hidden]	192.168.1.124	10:91:d1:96:87:05
1.3.38 wlan11	20.447 Kbps	3.96 Mbps	13.52	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	225	-50	[hidden]	192.168.1.176	e8:bf:b8:5a:2e:c7
1.3.39 wlan16	20.538 Kbps	3.968 Mbps	13.52	34.4 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	129	-50	[hidden]	192.168.1.132	e8:bf:b8:5a:12:b1
1.3.40 wlan2	20.474 Kbps	3.989 Mbps	21.839	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	276	-49	[hidden]	192.168.1.168	10:91:d1:96:85:93
1.3.41 wlan7	20.533 Kbps	3.974 Mbps	12.887	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	208	-49	[hidden]	192.168.1.135	10:91:d1:96:89:44
1.3.42 wlan12	20.463 Kbps	3.97 Mbps	16.625	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	296	-49	[hidden]	192.168.1.128	10:91:d1:53:27:30
1.3.43 wlan17	20.474 Kbps	3.971 Mbps	12.405	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	113	-50	[hidden]	192.168.1.154	e8:bf:b8:5a:11:62
1.3.44 wlan3	20.409 Kbps	3.964 Mbps	20.331	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	176	-50	[hidden]	192.168.1.194	a0:b3:39:64:82:ff
1.3.45 wlan8	20.404 Kbps	3.933 Mbps	18.16	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	124	-49	[hidden]	192.168.1.133	10:91:d1:53:27:35
1.3.46 wlan13	20.469 Kbps	3.973 Mbps	17.157	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	137	-48	[hidden]	192.168.1.113	10:91:d1:53:16:73
1.3.47 wlan18	20.399 Kbps	3.947 Mbps	13.625	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	180	-50	[hidden]	192.168.1.110	e8:bf:b8:5a:18:a1
1.3.48 wlan4	20.404 Kbps	3.958 Mbps	18.795	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	225	-50	[hidden]	192.168.1.163	a0:b3:39:64:82:e1
						802.11a-						

1.3.49 wlan9	20.409 Kbps	3.969 Mbps	21.212	34.4 Mbps	4.323 Gbps	BE 320 2x2	227	139	-51	[hidden]	192.168.1.186	10:91:d1:53:28:39
1.3.50 wlan14	20.404 Kbps	3.977 Mbps	18.357	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	132	-49	[hidden]	192.168.1.223	e8:bf:b8:5a:0f:73
1.3.51 wlan19	20.404 Kbps	3.978 Mbps	17.805	34.4 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	177	-50	[hidden]	192.168.1.123	e8:bf:b8:5a:78:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	129.779 Mbps	358.849 Mbps	10 Gbps	192.168.1.183	9c:69:b4:61:e5:b4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-3.2-2.wlan0--1.0.0-A	114.367 Mbps	0 bps	13675	0	0	23.669	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.0-B	0 bps	114.136 Mbps	0	13802	23.669	23.669	7.517	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-A	106.687 Mbps	0 bps	12630	0	0	6.868	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-B	0 bps	106.791 Mbps	0	12752	6.868	6.868	4.356	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-A	112.861 Mbps	0 bps	13390	0	0	4.285	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-B	0 bps	113.008 Mbps	0	13501	4.285	4.285	1.863	0	0	0	0
cv_udp-3.2-2.wlan2--1.0.2-A	20.029 Kbps	4.013 Mbps	225	45018	51	113	0	0	0	0	62
cv_udp-3.2-2.wlan2--1.0.2-B	4.002 Mbps	20.061 Kbps	45310	226	62	113	35	0	0	0	0
cv_udp-3.2-2.wlan3--1.0.3-A	19.995 Kbps	3.971 Mbps	225	44751	50	88	0	0.323	0	0	283
cv_udp-3.2-2.wlan3--1.0.3-B	3.998 Mbps	19.875 Kbps	44896	223	38	88	40	0	0	0	1
cv_udp-3.2-2.wlan4--1.0.4-A	19.995 Kbps	3.968 Mbps	225	44717	122	138	0	0.704	0	0	409
cv_udp-3.2-2.wlan4--1.0.4-B	4.002 Mbps	19.995 Kbps	45034	225	16	138	25	0	0	0	0
cv_udp-3.2-2.wlan5--1.0.5-A	19.941 Kbps	3.894 Mbps	225	43902	42	56	0	2.613	0	0	1,178
cv_udp-3.2-2.wlan5--1.0.5-B	3.998 Mbps	19.941 Kbps	45080	225	14	56	11	0	0	0	0
cv_udp-3.2-2.wlan6--1.0.6-A	19.847 Kbps	4.002 Mbps	225	45116	108	140	0	0	0	0	248
cv_udp-3.2-2.wlan6--1.0.6-B	4.002 Mbps	19.753 Kbps	45080	224	32	140	31	0	0	0	0
cv_udp-3.2-2.wlan7--1.0.7-A	19.89 Kbps	3.984 Mbps	225	44878	61	91	0	0.245	0	0	340
cv_udp-3.2-2.wlan7--1.0.7-B	4.002 Mbps	19.902 Kbps	44988	224	30	91	28	0	0	0	1
cv_udp-3.2-3.wlan20--1.0.8-A	19.924 Kbps	3.961 Mbps	225	44228	126	139	0	1.286	0	0	852
cv_udp-3.2-3.wlan20--1.0.8-B	3.998 Mbps	19.875 Kbps	44804	223	13	139	20	0	0	0	0
cv_udp-3.2-3.wlan21--1.0.9-A	19.874 Kbps	3.96 Mbps	225	44676	47	59	0	0.286	0	0	450
cv_udp-3.2-3.wlan21--1.0.9-B	3.998 Mbps	19.781 Kbps	44804	223	12	59	19	0	0	0	0
cv_udp-3.2-3.wlan22--1.0.10-A	19.874 Kbps	3.918 Mbps	225	44265	141	153	0	1.203	0	0	769
cv_udp-3.2-3.wlan22--1.0.10-B	4.002 Mbps	19.875 Kbps	44804	223	12	153	10	0	0	0	0
cv_udp-3.2-3.wlan23--1.0.11-A	19.874 Kbps	3.733 Mbps	225	41822	46	61	0	6.751	0	0	3,304
cv_udp-3.2-3.wlan23--1.0.11-B	4 Mbps	19.935 Kbps	44850	224	15	61	17	0	0	0	0
cv_udp-3.2-3.wlan0--1.0.12-A	19.934 Kbps	3.956 Mbps	225	44339	43	51	0	1.644	0	0	787
cv_udp-3.2-3.wlan0--1.0.12-B	4.001 Mbps	19.984 Kbps	45080	225	8	51	8	0	0	0	0
cv_udp-3.2-3.wlan5--1.0.13-A	19.934 Kbps	3.947 Mbps	225	44538	40	53	0	0.797	0	0	450
cv_udp-3.2-3.wlan5--1.0.13-B	4.002 Mbps	19.902 Kbps	44896	224	13	53	20	0	0	0	0
cv_udp-3.2-3.wlan10--1.0.14-A	19.927 Kbps	3.917 Mbps	226	44321	51	60	0	1.684	0	0	918
cv_udp-3.2-3.wlan10--1.0.14-B	4.002 Mbps	19.967 Kbps	45080	225	9	60	12	0	0	0	0
cv_udp-3.2-3.wlan15--1.0.15-A	19.927 Kbps	668.886 Kbps	226	7548	1,888	1,901	14	83.341	0	0	37,892
cv_udp-3.2-3.wlan15--1.0.15-B	4 Mbps	19.927 Kbps	45310	226	13	1,901	15	0	0	0	0
cv_udp-3.2-3.wlan1--1.0.16-A	19.927 Kbps	3.889 Mbps	226	43935	55	63	0	2.440	0	0	1,007
cv_udp-3.2-3.wlan1--1.0.16-B	3.998 Mbps	19.874 Kbps	45034	224	8	63	7	0	0	0	0
cv_udp-3.2-3.wlan6--1.0.17-A	20.019 Kbps	3.943 Mbps	222	43957	79	86	0	0.350	0	0	525
cv_udp-3.2-3.wlan6--1.0.17-B	4.002 Mbps	20.035 Kbps	44896	224	7	86	19	0	0	0	0
cv_udp-3.2-3.wlan11--1.0.18-A	19.925 Kbps	3.978 Mbps	222	43776	125	135	1	1.560	0	0	706
cv_udp-3.2-3.wlan11--1.0.18-B	4 Mbps	19.927 Kbps	45264	226	10	135	7	0	0	0	0
cv_udp-3.2-3.wlan16--1.0.19-A	19.985 Kbps	3.967 Mbps	223	44221	41	59	0	0.689	0	0	445
cv_udp-3.2-3.wlan16--1.0.19-B	3.999 Mbps	20.019 Kbps	44528	223	18	59	23	0	0	0	0
cv_udp-3.2-3.wlan2--1.0.20-A	19.891 Kbps	3.939 Mbps	222	43852	39	50	0	1.416	0	0	676
cv_udp-3.2-3.wlan2--1.0.20-B	3.999 Mbps	19.924 Kbps	44482	222	11	50	10	0	0	0	0
cv_udp-3.2-3.wlan7--1.0.21-A	19.968 Kbps	3.957 Mbps	223	44121	57	65	2	0.393	0	0	461
cv_udp-3.2-3.wlan7--1.0.21-B	3.999 Mbps	19.84 Kbps	45034	224	8	65	11	0	0	0	0
cv_udp-3.2-3.wlan12--1.0.22-A	19.935 Kbps	3.891 Mbps	223	43386	60	68	0	2.223	0	0	1,050
cv_udp-3.2-3.wlan12--1.0.22-B	4 Mbps	20.021 Kbps	45172	226	8	68	6	0	0	0	0
cv_udp-3.2-3.wlan17--1.0.23-A	19.935 Kbps	3.938 Mbps	223	43917	52	61	0	1.372	0	0	611
cv_udp-3.2-3.wlan17--1.0.23-B	4.001 Mbps	19.891 Kbps	44528	222	9	61	12	0	0	0	0
cv_udp-3.2-3.wlan3--1.0.24-A	19.995 Kbps	3.925 Mbps	224	43860	54	63	0	0.157	0	0	760

cv_udp-3.2-3.wlan3--1.0.24-B	3.997 Mbps	19.995 Kbps	44666	224	9	63	19	0	0	0	0
cv_udp-3.2-3.wlan8--1.0.25-A	19.995 Kbps	3.97 Mbps	223	44368	40	50	0	0	0	0	344
cv_udp-3.2-3.wlan8--1.0.25-B	3.999 Mbps	19.934 Kbps	44942	224	10	50	28	0	0	0	0
cv_udp-3.2-3.wlan13--1.0.26-A	19.941 Kbps	3.947 Mbps	223	44129	108	116	0	0.588	0	0	583
cv_udp-3.2-3.wlan13--1.0.26-B	3.999 Mbps	19.925 Kbps	44390	221	8	116	11	0	0	0	0
cv_udp-3.2-3.wlan18--1.0.27-A	19.941 Kbps	3.967 Mbps	223	44340	64	76	0	0.319	0	0	372
cv_udp-3.2-3.wlan18--1.0.27-B	3.998 Mbps	19.875 Kbps	44482	222	12	76	19	0	0	0	0
cv_udp-3.2-3.wlan4--1.0.28-A	19.83 Kbps	3.905 Mbps	223	43662	65	72	0	2.248	0	0	1,011
cv_udp-3.2-3.wlan4--1.0.28-B	3.998 Mbps	19.847 Kbps	44666	223	7	72	5	0	0	0	0
cv_udp-3.2-3.wlan9--1.0.29-A	19.89 Kbps	3.821 Mbps	223	42741	68	78	0	3.161	0	0	2,063
cv_udp-3.2-3.wlan9--1.0.29-B	3.999 Mbps	19.934 Kbps	44896	224	10	78	26	0	0	0	0
cv_udp-3.2-3.wlan14--1.0.30-A	19.89 Kbps	3.915 Mbps	223	43821	107	116	0	1.179	0	0	891
cv_udp-3.2-3.wlan14--1.0.30-B	3.999 Mbps	19.924 Kbps	44344	221	9	116	8	0	0	0	0
cv_udp-3.2-3.wlan19--1.0.31-A	19.874 Kbps	3.95 Mbps	223	44190	54	63	0	0.451	0	0	568
cv_udp-3.2-3.wlan19--1.0.31-B	3.998 Mbps	19.875 Kbps	44390	221	9	63	9	0	0	0	0

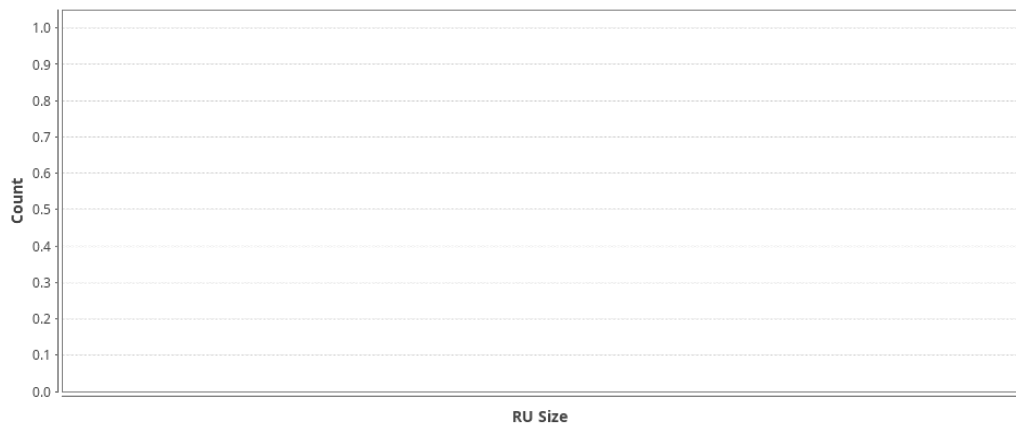
Trigger frame Bandwidth Report: BE 6Ghz OFDMA Disabled Download: Last few frames.

Each row shows the reported bandwidth allocation. Each cell in the row indicates the AID (station identifier) and its respective bandwidth. Duplicated (same bandwidth allocation) sequences of frames are skipped, with only the last one being reported.

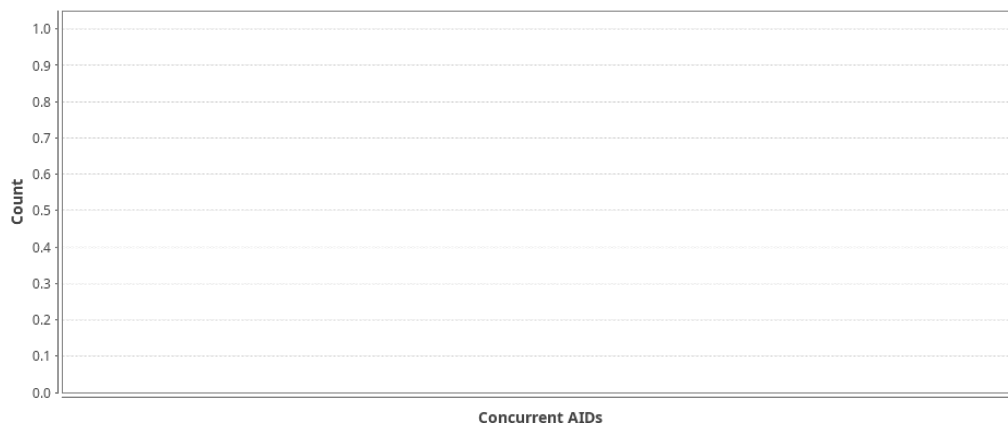
BSRP frames are currently skipped.

Frame	MU-MIMO SS	Dups	Type	0-8	9-17	18-26	27-36	37-45	46-54	55-63	64-73	74-82	83-91	92-100	101-110	111-119	120-128	129-137	138-147
-------	------------	------	------	-----	------	-------	-------	-------	-------	-------	-------	-------	-------	--------	---------	---------	---------	---------	---------

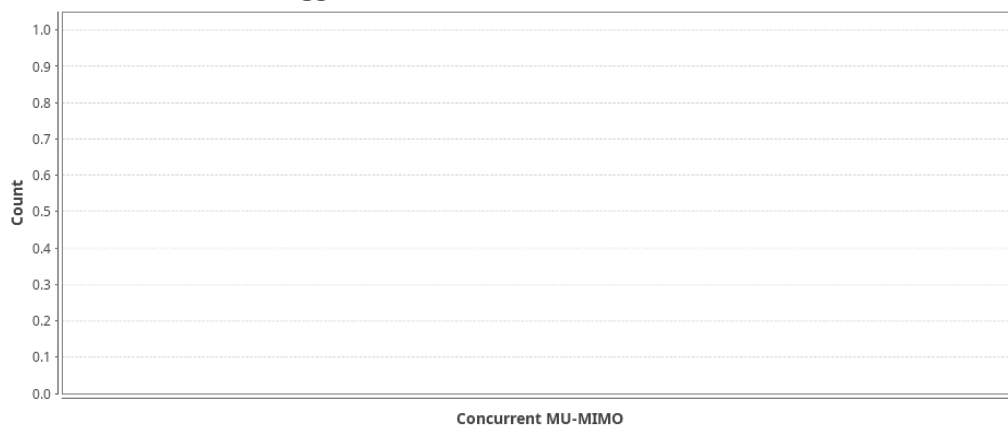
6.2.9 OFDMA Test (31-STA) BE 6Ghz OFDMA Disabled Download Trigger frame RU Allocation Counts



6.2.9 OFDMA Test (31-STA) BE 6Ghz OFDMA Disabled Download Trigger frame Concurrent AID Counts



6.2.9 OFDMA Test (31-STA) BE 6Ghz OFDMA Disabled Download Trigger frame Concurrent MU-MIMO Counts

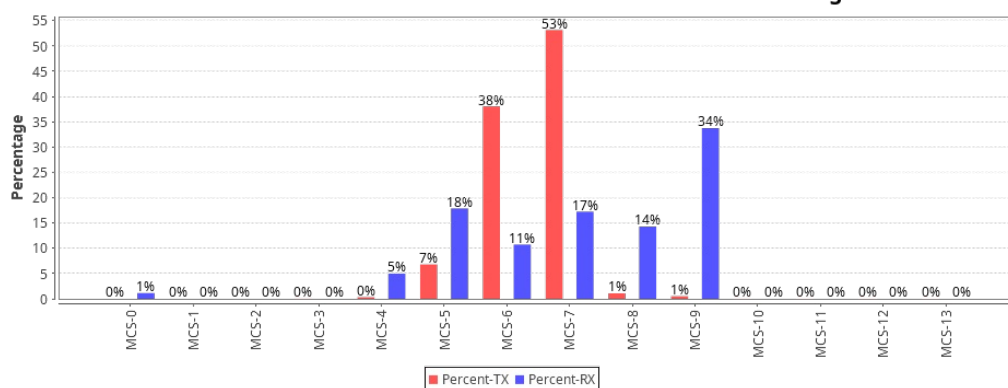


[Full OFDMA Trigger Packet Capture HTML report: BE 6Ghz OFDMA Disabled Download](#)

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

[CSV Data for BE 6Ghz OFDMA Enabled Download WiFi Packet MCS Percentages](#)

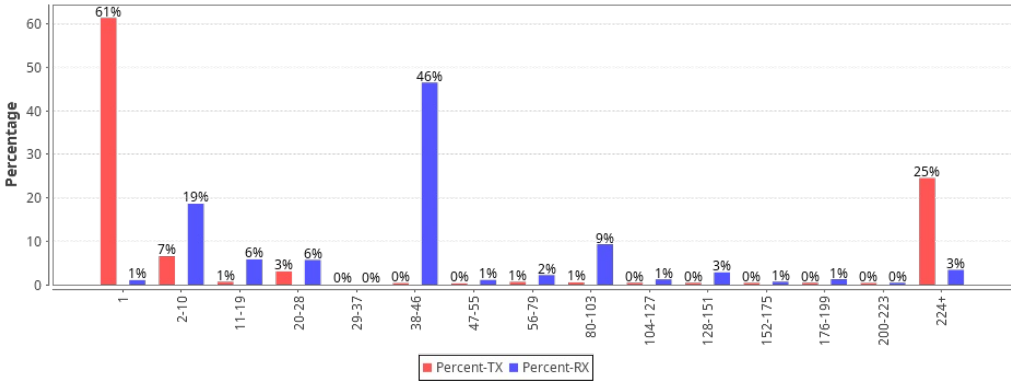
BE 6Ghz OFDMA Enabled Download WiFi Packet MCS Percentages



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 OFDMA Enabled Download WiFi Packet AMPDU Length Percentages](#)

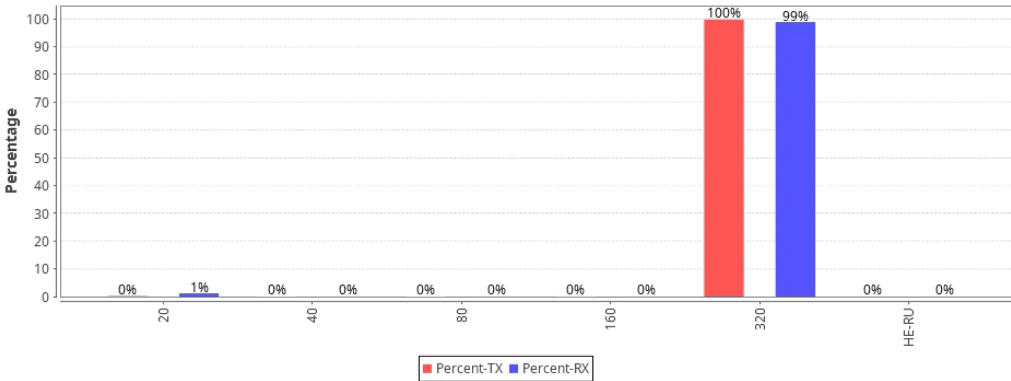
BE 6Ghz OFDMA Enabled Download WiFi Packet AMPDU Length Percentages



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

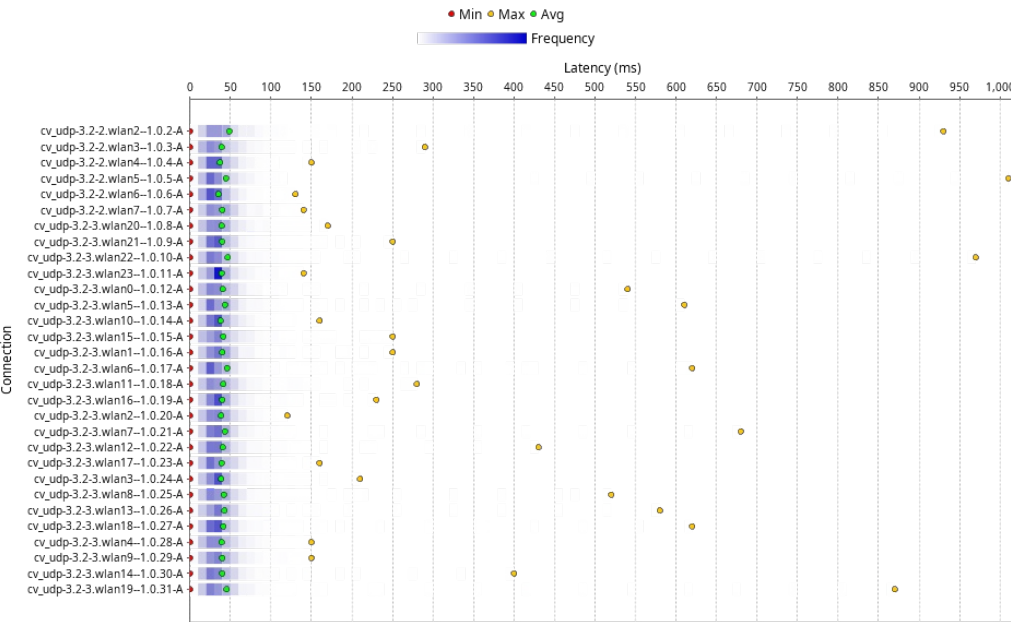
CSV Data for BE 6Ghz OFDMA Enabled Download WiFi Bandwidth Percentages

BE 6Ghz OFDMA Enabled Download WiFi Bandwidth Percentages



Distribution of latency values for Download UDP connections.
Latency readings are clamped to a [-1, 10] second range.

One-Way Latency, per Connection
BE 6Ghz OFDMA Enabled Download



Collected CSV Data: CSV: 6.2.9 OFDMA Test (31-STA) BE 6Ghz OFDMA Enabled Download

OFDMA: Snapshot BE 6Ghz OFDMA Enabled Download while running traffic.



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
1.2.20 wlan0	1.427 Gbps	4.821 Mbps	51.934	2882.6 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	128	-54	[hidden]	192.168.1.197	e8:bf:b8:5a:12:f2
1.2.22 wlan2	21.778 Kbps	4.24 Mbps	40.607	34.4 Mbps	1.441 Gbps	802.11a-BE 320 2x2	227	289	-53	[hidden]	192.168.1.187	e8:bf:b8:5a:12:e8
1.2.23 wlan3	21.905 Kbps	4.238 Mbps	24.894	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	608	-54	[hidden]	192.168.1.242	e8:bf:b8:5a:17:2a
1.2.24 wlan4	21.692 Kbps	4.239 Mbps	20.697	1152.9 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	601	-45	[hidden]	192.168.1.193	e8:bf:b8:59:4e:67
1.2.25 wlan5	21.685 Kbps	4.219 Mbps	12.484	1152.9 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	149	-45	[hidden]	192.168.1.231	e8:bf:b8:5a:10:e0
1.2.26 wlan6	21.692 Kbps	4.238 Mbps	48.798	1152.9 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	3,706	-45	[hidden]	192.168.1.151	e8:bf:b8:5a:10:90
1.2.27 wlan7	21.692 Kbps	4.239 Mbps	24.301	1152.9 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	138	-45	[hidden]	192.168.1.103	e8:bf:b8:5a:0f:91
1.3.28 wlan20	15.556 Kbps	3.039 Mbps	14.64	34.4 Mbps	2.594 Gbps	802.11a-BE 320 2x2	227	132	-51	[hidden]	192.168.1.112	e8:bf:b8:5a:79:3b
1.3.29 wlan21	15.601 Kbps	3.039 Mbps	16.22	34.4 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	125	-49	[hidden]	192.168.1.236	e8:bf:b8:5a:79:22
1.3.30 wlan22	15.548 Kbps	3.027 Mbps	21.33	34.4 Mbps	1.441 Gbps	802.11a-BE 320 2x2	227	130	-53	[hidden]	192.168.1.241	e8:bf:b8:5a:79:27
1.3.31 wlan23	15.597 Kbps	3.046 Mbps	18.83	34.4 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	871	-50	[hidden]	192.168.1.164	e8:bf:b8:5a:11:6c
1.3.32 wlan0	15.548 Kbps	3.035 Mbps	30.466	34.4 Mbps	1.441 Gbps	802.11a-BE 320 2x2	227	243	-50	[hidden]	192.168.1.138	10:91:d1:96:26:7a
1.3.33 wlan5	15.556 Kbps	3.035 Mbps	31.61	34.4 Mbps	1.441 Gbps	802.11a-BE 320 2x2	227	652	-50	[hidden]	192.168.1.108	10:91:d1:96:76:48
1.3.34 wlan10	15.568 Kbps	3.037 Mbps	18.117	34.4 Mbps	2.883 Gbps	802.11a-BE 320 2x2	227	120	-50	[hidden]	192.168.1.237	10:91:d1:53:4d:5f
1.3.35 wlan15	15.564 Kbps	3.035 Mbps	26.631	34.4 Mbps	2.306 Gbps	802.11a-BE 320 2x2	227	196	-50	[hidden]	192.168.1.140	10:91:d1:53:15:bf
1.3.36 wlan1	15.56 Kbps	3.035 Mbps	18.041	34.4 Mbps	2.594 Gbps	802.11a-BE 320 2x2	227	123	-50	[hidden]	192.168.1.173	10:91:d1:96:85:98
1.3.37 wlan6	15.56 Kbps	3.033 Mbps	28.096	34.4 Mbps	1.73 Gbps	802.11a-BE 320 2x2	227	109	-50	[hidden]	192.168.1.124	10:91:d1:96:87:05
1.3.38 wlan11	15.552 Kbps	3.033 Mbps	13.784	34.4 Mbps	2.594 Gbps	802.11a-BE 320 2x2	227	998	-52	[hidden]	192.168.1.176	e8:bf:b8:5a:2e:c7
1.3.39 wlan16	15.576 Kbps	3.037 Mbps	12.005	34.4 Mbps	2.306 Gbps	802.11a-BE 320 2x2	227	143	-51	[hidden]	192.168.1.132	e8:bf:b8:5a:12:b1
1.3.40 wlan2	15.592 Kbps	3.039 Mbps	14.71	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	142	-50	[hidden]	192.168.1.168	10:91:d1:96:85:93
1.3.41 wlan7	15.588 Kbps	3.039 Mbps	35.674	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	318	-51	[hidden]	192.168.1.135	10:91:d1:96:89:44
1.3.42 wlan12	15.588 Kbps	3.037 Mbps	11.923	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	245	-50	[hidden]	192.168.1.128	10:91:d1:53:27:30
1.3.43 wlan17	15.584 Kbps	3.037 Mbps	8.781	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	138	-51	[hidden]	192.168.1.154	e8:bf:b8:5a:11:62
1.3.44 wlan3	15.539 Kbps	3.035 Mbps	18.624	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	737	-51	[hidden]	192.168.1.194	a0:b3:39:64:82:ff
1.3.45 wlan8	15.543 Kbps	3.035 Mbps	15.77	34.4 Mbps	1.73 Gbps	802.11a-BE 320 2x2	227	868	-51	[hidden]	192.168.1.133	10:91:d1:53:27:35
1.3.46 wlan13	15.589 Kbps	3.035 Mbps	25.299	34.4 Mbps	2.883 Gbps	802.11a-BE 320 2x2	227	131	-49	[hidden]	192.168.1.113	10:91:d1:53:16:73
1.3.47 wlan18	15.539 Kbps	3.033 Mbps	12.5	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	152	-52	[hidden]	192.168.1.110	e8:bf:b8:5a:18:a1
1.3.48 wlan4	15.535 Kbps	3.033 Mbps	17.844	34.4 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	944	-51	[hidden]	192.168.1.163	a0:b3:39:64:82:e1
1.3.49 wlan9	15.539 Kbps	3.032 Mbps	20	34.4 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	290	-49	[hidden]	192.168.1.186	10:91:d1:53:28:39
1.3.50 wlan14	15.535 Kbps	3.03 Mbps	16.015	34.4 Mbps	2.306 Gbps	802.11a-BE 320 2x2	227	132	-50	[hidden]	192.168.1.223	e8:bf:b8:5a:0f:73
1.3.51 wlan19	15.543 Kbps	3.023 Mbps	12.563	34.4 Mbps	1.729 Gbps	802.11a-BE 320 2x2	227	150	-51	[hidden]	192.168.1.123	e8:bf:b8:5a:78:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2.eth2	132.893 Mbps	1.493 Gbps	10 Gbps	192.168.1.183	9c:69:b4:61:e5:b4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-3.2-2.wlan0--1.0.0-A	478.348 Mbps	0 bps	57285	0	0	1,017	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.0-B	0 bps	478.356 Mbps	0	57488	1,017	1,017	356	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-A	471.285 Mbps	0 bps	56530	0	0	775	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-B	0 bps	471.163 Mbps	0	56707	775	775	231	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-A	471.33 Mbps	0 bps	56555	0	0	811	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-B	0 bps	471.332 Mbps	0	56655	811	811	216	0	0	0	0
cv_udp-3.2-2.wlan2--1.0.2-A	20.021 Kbps	3.998 Mbps	224	44944	34	66	0	0	0	0	44

cv_udp-3.2-2.wlan2--1.0.2-B	3.998 Mbps	19.994 Kbps	45172	225	32	66	32	0	0	0	0
cv_udp-3.2-2.wlan3--1.0.3-A	20.081 Kbps	3.991 Mbps	225	44987	25	57	0	0	0	0	47
cv_udp-3.2-2.wlan3--1.0.3-B	3.998 Mbps	19.9 Kbps	45172	225	32	57	42	0	0	0	0
cv_udp-3.2-2.wlan4--1.0.4-A	19.894 Kbps	4 Mbps	224	44988	28	47	0	0	0	0	0
cv_udp-3.2-2.wlan4--1.0.4-B	3.998 Mbps	19.927 Kbps	44942	224	19	47	24	0	0	0	0
cv_udp-3.2-2.wlan5--1.0.5-A	19.95 Kbps	3.978 Mbps	225	44742	26	49	0	0.445	0	0	246
cv_udp-3.2-2.wlan5--1.0.5-B	4.002 Mbps	19.927 Kbps	44942	224	23	49	10	0	0	0	0
cv_udp-3.2-2.wlan6--1.0.6-A	19.823 Kbps	3.998 Mbps	225	45040	24	44	0	0	0	0	40
cv_udp-3.2-2.wlan6--1.0.6-B	4 Mbps	19.894 Kbps	44988	224	20	44	20	0	0	0	0
cv_udp-3.2-2.wlan7--1.0.7-A	19.917 Kbps	3.979 Mbps	225	44840	36	55	0	0.227	0	0	194
cv_udp-3.2-2.wlan7--1.0.7-B	4 Mbps	19.987 Kbps	44942	224	19	55	22	0	0	0	0
cv_udp-3.2-3.wlan20--1.0.8-A	19.867 Kbps	3.984 Mbps	225	44957	26	53	0	0	0	0	203
cv_udp-3.2-3.wlan20--1.0.8-B	4.003 Mbps	19.994 Kbps	45448	227	27	53	18	0	0	0	0
cv_udp-3.2-3.wlan21--1.0.9-A	20.088 Kbps	3.971 Mbps	226	44730	29	50	0	0	0	0	304
cv_udp-3.2-3.wlan21--1.0.9-B	4.001 Mbps	19.933 Kbps	45356	226	21	50	25	0	0	0	0
cv_udp-3.2-3.wlan22--1.0.10-A	19.927 Kbps	3.957 Mbps	225	44732	25	59	0	0	0	0	486
cv_udp-3.2-3.wlan22--1.0.10-B	4 Mbps	19.96 Kbps	45494	227	34	59	39	0	0	0	0
cv_udp-3.2-3.wlan23--1.0.11-A	19.987 Kbps	3.984 Mbps	226	45090	36	59	0	0	0	0	174
cv_udp-3.2-3.wlan23--1.0.11-B	4.001 Mbps	19.933 Kbps	45310	226	23	59	18	0	0	0	0
cv_udp-3.2-3.wlan0--1.0.12-A	19.839 Kbps	3.981 Mbps	226	45057	29	53	0	0	0	0	207
cv_udp-3.2-3.wlan0--1.0.12-B	3.996 Mbps	19.987 Kbps	44850	224	24	53	31	0	0	0	0
cv_udp-3.2-3.wlan5--1.0.13-A	19.933 Kbps	3.984 Mbps	226	45085	27	54	0	0	0	0	179
cv_udp-3.2-3.wlan5--1.0.13-B	4.003 Mbps	19.9 Kbps	45356	226	27	54	30	0	0	0	0
cv_udp-3.2-3.wlan10--1.0.14-A	19.9 Kbps	3.976 Mbps	226	45006	30	63	0	0.367	0	0	304
cv_udp-3.2-3.wlan10--1.0.14-B	4 Mbps	19.894 Kbps	45172	225	33	63	29	0	0	0	0
cv_udp-3.2-3.wlan15--1.0.15-A	19.806 Kbps	3.971 Mbps	226	44963	31	52	0	0	0	0	347
cv_udp-3.2-3.wlan15--1.0.15-B	4 Mbps	19.95 Kbps	44850	224	21	52	11	0	0	0	0
cv_udp-3.2-3.wlan1--1.0.16-A	19.96 Kbps	3.953 Mbps	227	44786	31	55	0	0.855	0	0	570
cv_udp-3.2-3.wlan1--1.0.16-B	4 Mbps	19.894 Kbps	45172	225	24	55	24	0	0	0	0
cv_udp-3.2-3.wlan6--1.0.17-A	19.994 Kbps	3.981 Mbps	226	45026	26	55	0	0	0	0	238
cv_udp-3.2-3.wlan6--1.0.17-B	3.998 Mbps	19.994 Kbps	45264	226	29	55	40	0	0	0	0
cv_udp-3.2-3.wlan11--1.0.18-A	19.96 Kbps	3.955 Mbps	226	44751	38	62	0	1.133	0	0	559
cv_udp-3.2-3.wlan11--1.0.18-B	3.998 Mbps	19.994 Kbps	45264	226	24	62	21	0	0	0	0
cv_udp-3.2-3.wlan16--1.0.19-A	20.054 Kbps	3.974 Mbps	227	44976	29	57	0	0	0	0	334
cv_udp-3.2-3.wlan16--1.0.19-B	3.998 Mbps	19.917 Kbps	44850	224	28	57	33	0	0	0	0
cv_udp-3.2-3.wlan2--1.0.20-A	19.927 Kbps	3.974 Mbps	223	44341	31	60	0	0	0	0	279
cv_udp-3.2-3.wlan2--1.0.20-B	4.002 Mbps	19.917 Kbps	44850	223	29	60	48	0	0	0	0
cv_udp-3.2-3.wlan7--1.0.21-A	19.927 Kbps	3.988 Mbps	223	44408	32	55	0	0.164	0	0	212
cv_udp-3.2-3.wlan7--1.0.21-B	4.003 Mbps	19.9 Kbps	45218	225	23	55	32	0	0	0	0
cv_udp-3.2-3.wlan12--1.0.22-A	19.894 Kbps	3.972 Mbps	223	44356	27	53	0	0.278	0	0	310
cv_udp-3.2-3.wlan12--1.0.22-B	4 Mbps	19.96 Kbps	45264	226	26	53	34	0	0	0	0
cv_udp-3.2-3.wlan17--1.0.23-A	19.987 Kbps	3.969 Mbps	223	44279	32	61	0	0	0	0	387
cv_udp-3.2-3.wlan17--1.0.23-B	4 Mbps	19.96 Kbps	44896	224	29	61	22	0	0	0	0
cv_udp-3.2-3.wlan3--1.0.24-A	19.95 Kbps	3.946 Mbps	223	44074	24	48	0	0.801	0	0	592
cv_udp-3.2-3.wlan3--1.0.24-B	4 Mbps	19.96 Kbps	45218	226	24	48	35	0	0	0	0
cv_udp-3.2-3.wlan8--1.0.25-A	19.917 Kbps	3.983 Mbps	223	44545	28	59	0	0	0	0	167
cv_udp-3.2-3.wlan8--1.0.25-B	4 Mbps	19.773 Kbps	45218	225	31	59	32	0	0	0	0
cv_udp-3.2-3.wlan13--1.0.26-A	19.917 Kbps	3.933 Mbps	223	43975	27	49	0	0.002	0	0	737
cv_udp-3.2-3.wlan13--1.0.26-B	3.998 Mbps	19.917 Kbps	44712	223	22	49	43	0	0	0	0
cv_udp-3.2-3.wlan18--1.0.27-A	19.9 Kbps	3.956 Mbps	223	44305	29	57	0	0.910	0	0	451
cv_udp-3.2-3.wlan18--1.0.27-B	4.002 Mbps	19.917 Kbps	44712	223	28	57	19	0	0	0	0
cv_udp-3.2-3.wlan4--1.0.28-A	19.867 Kbps	3.938 Mbps	223	44172	34	64	0	0.381	0	0	678
cv_udp-3.2-3.wlan4--1.0.28-B	4 Mbps	19.866 Kbps	45172	225	30	64	28	0	0	0	0
cv_udp-3.2-3.wlan9--1.0.29-A	19.867 Kbps	3.982 Mbps	223	44483	43	68	0	0	0	0	257
cv_udp-3.2-3.wlan9--1.0.29-B	4 Mbps	19.866 Kbps	45126	225	25	68	20	0	0	0	0
cv_udp-3.2-3.wlan14--1.0.30-A	19.927 Kbps	3.961 Mbps	224	44408	27	52	0	0.578	0	0	396
cv_udp-3.2-3.wlan14--1.0.30-B	4.002 Mbps	19.917 Kbps	44666	223	25	52	22	0	0	0	0
cv_udp-3.2-3.wlan19--1.0.31-A	19.833 Kbps	3.937 Mbps	223	44082	22	51	0	0.071	0	0	722
cv_udp-3.2-3.wlan19--1.0.31-B	3.998 Mbps	19.833 Kbps	44804	223	29	51	18	0	0	0	0

Trigger frame Bandwidth Report: BE 6Ghz OFDMA Enabled

Download: Last few frames.

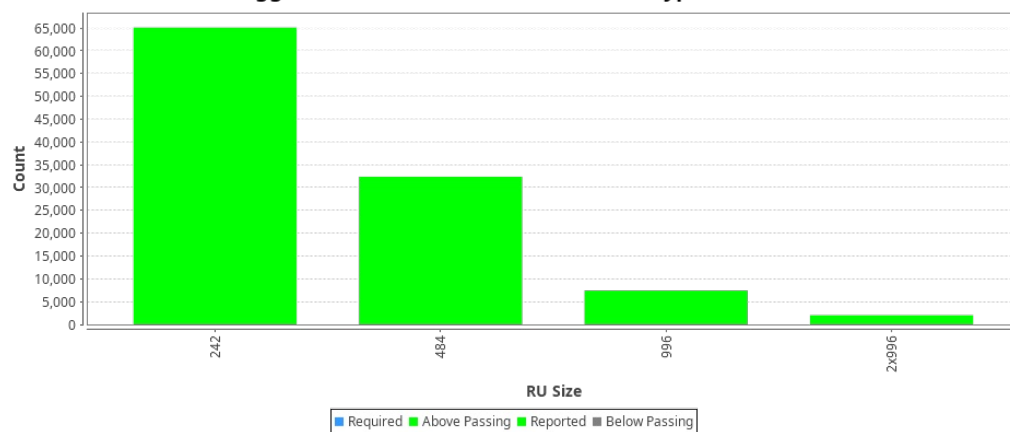
Each row shows the reported bandwidth allocation. Each cell in the row indicates the AID (station identifier) and its respective bandwidth. Duplicated (same bandwidth allocation) sequences of frames are skipped, with only the last one being reported.

BSRP frames are currently skipped.

Frame	MU-MIMO SS	Dups	Type	0-8	9-17	18-26	27-36	37-45	46-54	55-63	64-73	74-82	83-91	92-100	101-110	111-119	120-128	129-137	138-147
87711	1	1	MU-BAR	12 242	31 242	11 242	23 242	29 242	13 242	22 242	14 242	16 484		8 484		3 484		27 242	26 242
87716	1-2	0	Basic	3 4x996															
87728	1	0	MU-BAR	31 242	11 242	23 242	16 242	2 242	33 242	17 242	7 242	21 484		18 484		10 484		26 242	12 242
87734	1-2	0	Basic	10 4x996															
87742	1	0	MU-BAR	11 242	23 242	2 242	33 242	17 242	7 242	21 242	18 242	10 484		6 484		4 484		12 242	31 242
87743	1-2	0	Basic	10 4x996															
87748	1-2	0	Basic	23 4x996															
87756	1	1	MU-BAR	11 242	13 242	28 242	25 242	5 242	8 242	3 242	2 242	24 484		33 484		7 484		27 242	9 242
87764	1-2	0	Basic	7 4x996															
87771	1	0	MU-BAR	33 484		30 484		6 484		4 484		5 484		13 484		25 484		2 484	
87783	1-2	0	Basic	7 4x996															
87792	1	0	MU-BAR	32 484		20 484		15 484		13 484		25 996				2 996			
87793	1	0	MU-BAR	28 242	9 242	17 242	21 242	18 242	13 242	25 242	2 242	26 484		12 484		31 484		27 242	11 242
87800	1	0	MU-BAR	12 242	29 242	23 242	31 242	22 242	14 242	16 242	10 242	11 242	28 242	9 242	17 242	21 242	18 242	13 242	2 242
87801	1	0	MU-BAR	12 242	29 242	23 242	31 242	22 242	14 242	16 242	10 242	28 242	11 242	9 242	17 242	21 242	18 242	13 242	2 242
87805	1	0	MU-BAR	17 484		21 484		18 484		2 484		14 996				10 996			
87814	1	0	MU-BAR	17 996				21 996				2 2x996							
87821	1	0	MU-BAR	8 242	3 242	24 242	7 242	33 242	32 242	20 242	30 242	6 484		4 484		17 484		2 484	
87822	1-2	0	Basic	17 4x996															

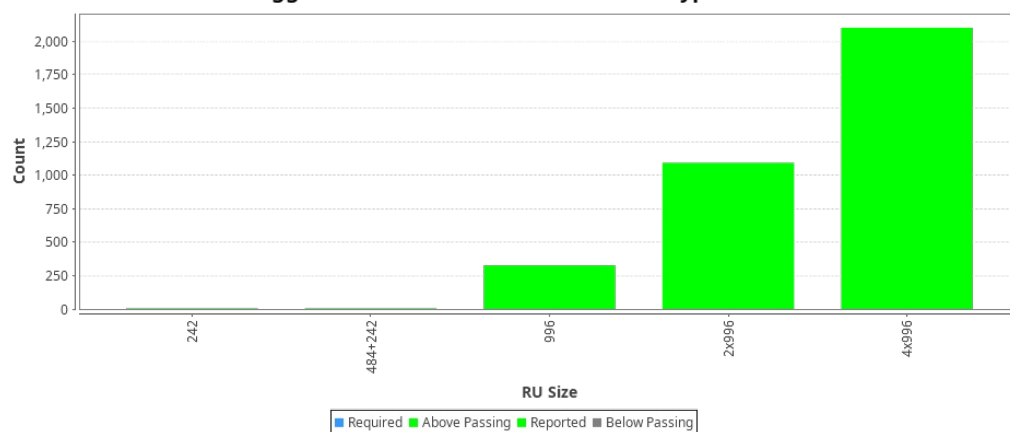
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Download Trigger frame RU Allocation Counts for type: MU-BAR](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Download
Trigger frame RU Allocation Counts for type: MU-BAR



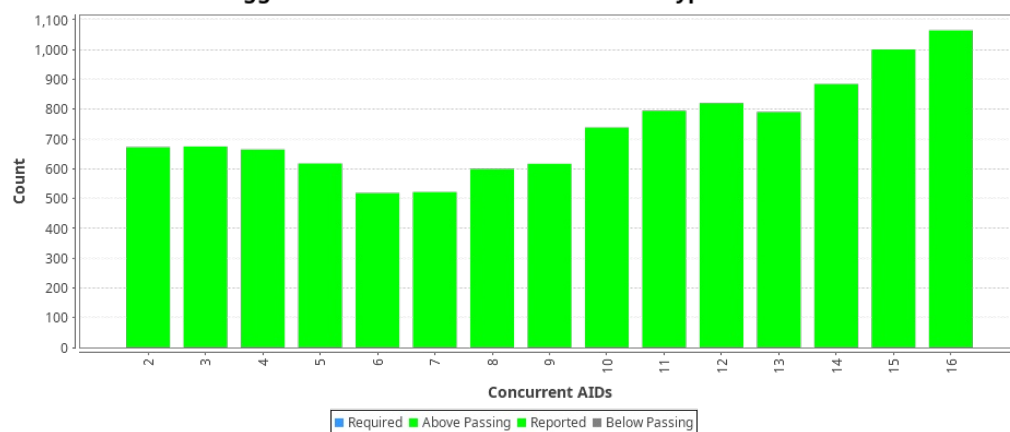
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Download Trigger frame RU Allocation Counts for type: Basic](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Download
Trigger frame RU Allocation Counts for type: Basic



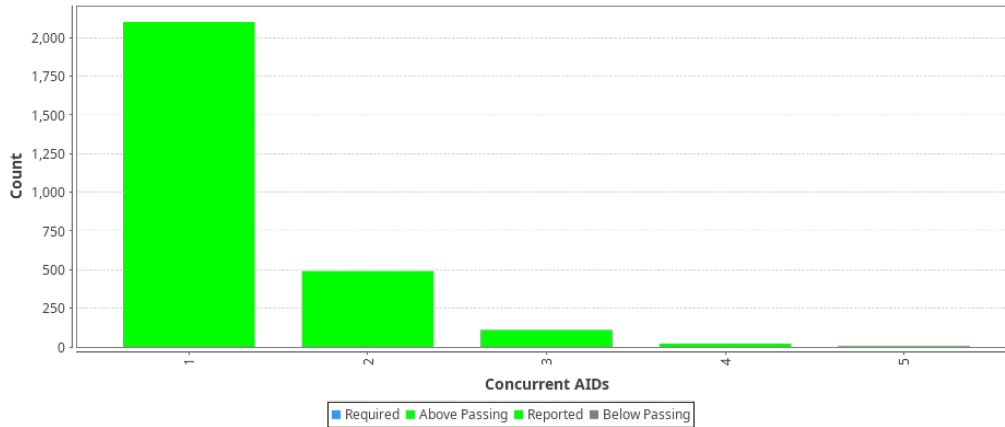
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Download Trigger frame Concurrent AID Counts for type: MU-BAR](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Download
Trigger frame Concurrent AID Counts for type: MU-BAR



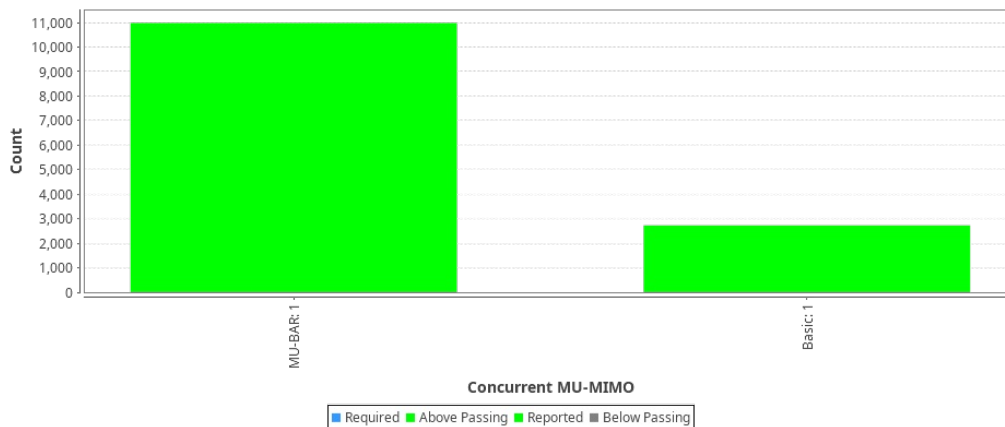
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Download Trigger frame Concurrent AID Counts for type: Basic](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Download
Trigger frame Concurrent AID Counts for type: Basic



[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Download Trigger frame Concurrent MU-MIMO Counts](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Download
Trigger frame Concurrent MU-MIMO Counts

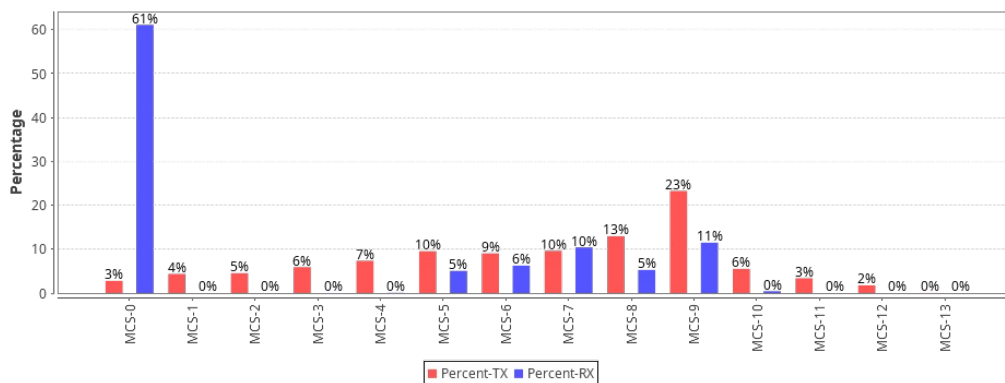


[Full OFDMA Trigger Packet Capture HTML report: BE 6Ghz OFDMA Enabled Download](#)

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

[CSV Data for BE 6Ghz OFDMA Disabled Upload WiFi Packet MCS Percentages](#)

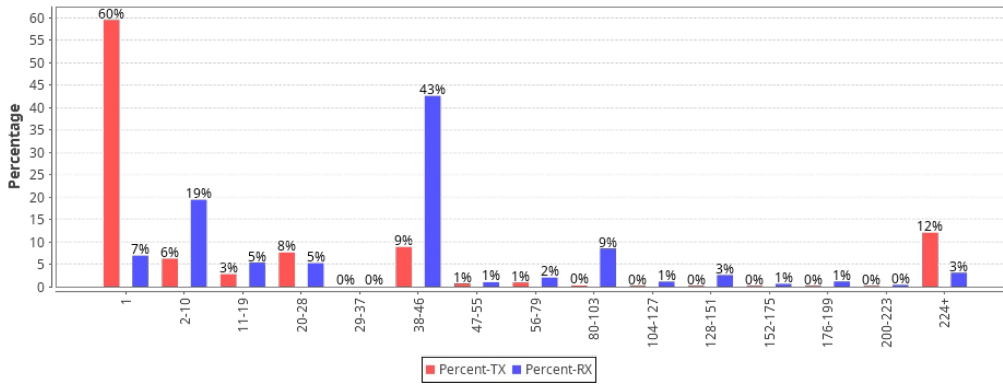
BE 6Ghz OFDMA Disabled Upload WiFi Packet MCS Percentages



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 OFDMA Disabled Upload WiFi Packet AMPDU Length Percentages](#)

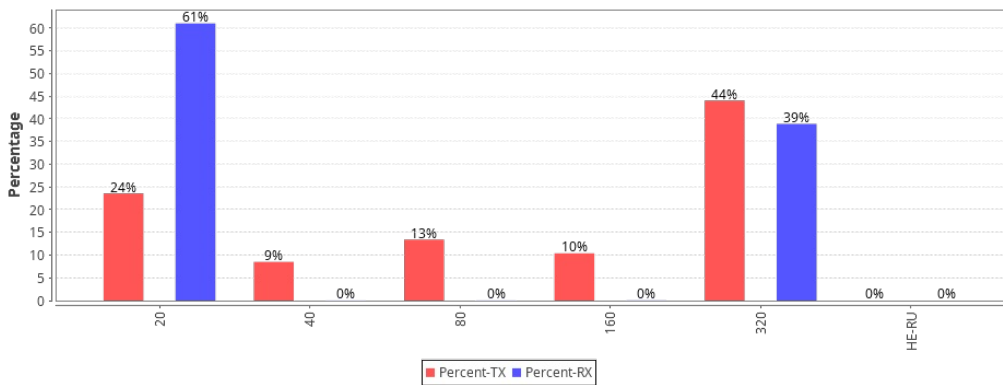
BE 6Ghz OFDMA Disabled Upload WiFi Packet AMPDU Length Percentages



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

[CSV Data for BE 6Ghz OFDMA Disabled Upload WiFi Bandwidth Percentages](#)

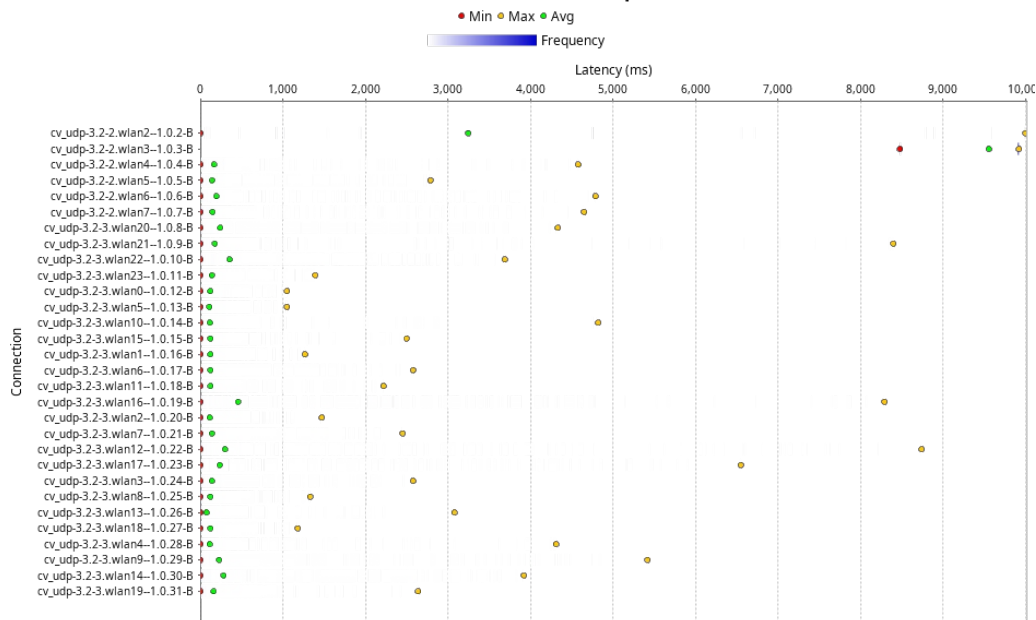
BE 6Ghz OFDMA Disabled Upload WiFi Bandwidth Percentages



Distribution of latency values for Upload UDP connections.

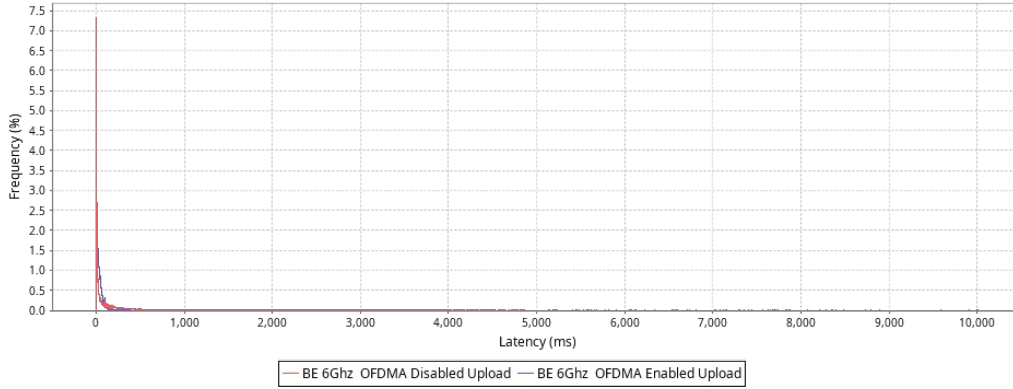
Latency readings are clamped to a [-1, 10] second range.

One-Way Latency, per Connection
BE 6Ghz OFDMA Disabled Upload



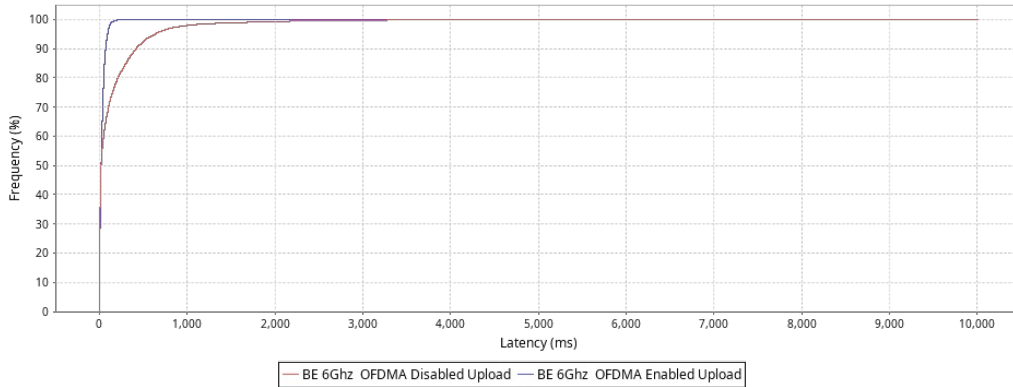
[CSV Data for One-Way Latency Probability Density Curve](#)

One-Way Latency Probability Density Curve



[CSV Data for One-Way Latency Cumulative Density Curve](#)

One-Way Latency Cumulative Density Curve



[Collected CSV Data: CSV: 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Disabled Upload](#)

OFDMA: Snapshot BE 6Ghz OFDMA Disabled Upload while running traffic.

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
1.2.20 wlan0	416.223 Kbps	12.053 Kbps	52.166	17.2 Mbps	7.3 Mbps	802.11a-BE 320 2x2	227	148	-61	[hidden]	192.168.1.197	e8:bf:b8:5a:12:f2
1.2.22 wlan2	55.949 Kbps	21.192 Kbps	81.692	68.8 Mbps	1.297 Gbps	802.11a-BE 320 2x2	227	123	-53	[hidden]	192.168.1.187	e8:bf:b8:5a:12:e8
1.2.23 wlan3	21.554 Kbps	21.283 Kbps	77.176	6 Mbps	2.594 Gbps	802.11a-BE 320 2x2	227	136	-52	[hidden]	192.168.1.242	e8:bf:b8:5a:17:2a
1.2.24 wlan4	1.256 Mbps	21.185 Kbps	36.967	51.6 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	141	-45	[hidden]	192.168.1.193	e8:bf:b8:59:4e:67
1.2.25 wlan5	1.494 Mbps	21.333 Kbps	32.229	864.8 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	4,027	-45	[hidden]	192.168.1.231	e8:bf:b8:5a:10:e0
1.2.26 wlan6	752.94 Kbps	18.674 Kbps	41.693	216.1 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	242	-45	[hidden]	192.168.1.151	e8:bf:b8:5a:10:90
1.2.27 wlan7	787.066 Kbps	15.318 Kbps	39.611	288.2 Mbps	2.883 Gbps	802.11a-BE 320 2x2	227	193	-44	[hidden]	192.168.1.103	e8:bf:b8:5a:0f:91
1.3.28 wlan20	919.964 Kbps	16.166 Kbps	31.866	3843.1 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	530	-49	[hidden]	192.168.1.112	e8:bf:b8:5a:79:3b
1.3.29 wlan21	1.038 Mbps	16.201 Kbps	25.139	3843.1 Mbps	3.459 Gbps	802.11a-BE 320 2x2	227	138	-49	[hidden]	192.168.1.236	e8:bf:b8:5a:79:22
1.3.30 wlan22	733.712 Kbps	16.121 Kbps	37.163	288.2 Mbps	2.306 Gbps	802.11a-BE 320 2x2	227	358	-49	[hidden]	192.168.1.241	e8:bf:b8:5a:79:27
1.3.31 wlan23	1.414 Mbps	15.95 Kbps	25.507	1921.5 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	235	-51	[hidden]	192.168.1.164	e8:bf:b8:5a:11:6c

1.3.32 wlan0	1.417 Mbps	16.118 Kbps	27.251	3843.1 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	202	-48	[hidden]	192.168.1.138	10:91:d1:96:26:7a
1.3.33 wlan5	1.556 Mbps	16.125 Kbps	27.328	2401.9 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	1,080	-50	[hidden]	192.168.1.108	10:91:d1:96:76:48
1.3.34 wlan10	913.201 Kbps	16.131 Kbps	32.658	2401.9 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	817	-51	[hidden]	192.168.1.237	10:91:d1:53:4d:5f
1.3.35 wlan15	1.484 Mbps	15.624 Kbps	25.13	3459.3 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	150	-47	[hidden]	192.168.1.140	10:91:d1:53:15:bf
1.3.36 wlan1	1.373 Mbps	16.127 Kbps	24.663	3843.1 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	361	-50	[hidden]	192.168.1.173	10:91:d1:96:85:98
1.3.37 wlan6	1.334 Mbps	16.123 Kbps	30.289	2594.2 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	355	-48	[hidden]	192.168.1.124	10:91:d1:96:87:85
1.3.38 wlan11	1.372 Mbps	16.172 Kbps	25.356	2161.3 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	153	-50	[hidden]	192.168.1.176	e8:bf:b8:5a:2e:c7
1.3.39 wlan16	800.957 Kbps	16.186 Kbps	30.011	154.8 Mbps	309.7 Mbps	802.11a- BE 320 2x2	227	153	-50	[hidden]	192.168.1.132	e8:bf:b8:5a:12:b1
1.3.40 wlan2	1.454 Mbps	16.206 Kbps	26.772	3843.1 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	555	-50	[hidden]	192.168.1.168	10:91:d1:96:85:93
1.3.41 wlan7	1.299 Mbps	16.148 Kbps	28.505	2161.3 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	593	-51	[hidden]	192.168.1.135	10:91:d1:96:89:44
1.3.42 wlan12	905.612 Kbps	15.82 Kbps	33.552	68.8 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	322	-48	[hidden]	192.168.1.128	10:91:d1:53:27:30
1.3.43 wlan17	795.496 Kbps	16.14 Kbps	30.456	9 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	500	-50	[hidden]	192.168.1.154	e8:bf:b8:5a:11:62
1.3.44 wlan3	1.215 Mbps	15.865 Kbps	29.331	1921.5 Mbps	2.594 Gbps	802.11a- BE 320 2x2	227	139	-49	[hidden]	192.168.1.194	a0:b3:39:64:82:ff
1.3.45 wlan8	1.512 Mbps	16.196 Kbps	29.496	1921.5 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	141	-49	[hidden]	192.168.1.133	10:91:d1:53:27:35
1.3.46 wlan13	1.788 Mbps	15.995 Kbps	27.058	3843.1 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	141	-47	[hidden]	192.168.1.113	10:91:d1:53:16:73
1.3.47 wlan18	1.308 Mbps	15.704 Kbps	25.017	2161.3 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	159	-51	[hidden]	192.168.1.110	e8:bf:b8:5a:18:a1
1.3.48 wlan4	1.394 Mbps	16.074 Kbps	25.876	1200.9 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	128	-50	[hidden]	192.168.1.163	a0:b3:39:64:82:e1
1.3.49 wlan9	873.438 Kbps	16.088 Kbps	39.192	286.7 Mbps	4.323 Gbps	802.11a- BE 320 2x2	227	244	-51	[hidden]	192.168.1.186	10:91:d1:53:28:39
1.3.50 wlan14	861.892 Kbps	16.185 Kbps	28.247	344.1 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	627	-48	[hidden]	192.168.1.223	e8:bf:b8:5a:0f:73
1.3.51 wlan19	907.482 Kbps	16.189 Kbps	35.034	432.3 Mbps	3.459 Gbps	802.11a- BE 320 2x2	227	429	-50	[hidden]	192.168.1.123	e8:bf:b8:5a:78:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	659.317 Kbps	44.105 Mbps	10 Gbps	192.168.1.183	9c:69:b4:61:e5:b4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-3.2.2.wlan0--1.0.0-A	0 bps	0 bps	0	0	0	0	0	0	0	0	0
cv_tcp-3.2.2.wlan0--1.0.0-B	0 bps	2.326 Kbps	0	0	0	0	0	0	0	0	0
cv_tcp-3.2.2.wlan0--1.0.1-A	0 bps	0 bps	0	0	0	0	0	0	0	0	0
cv_tcp-3.2.2.wlan0--1.0.1-B	0 bps	1.55 Kbps	0	0	0	0	0	0	0	0	0
cv_tcp-3.2.2.wlan0--1.0.2-A	0 bps	0 bps	5	0	0	0	0	0	0	0	0
cv_tcp-3.2.2.wlan0--1.0.2-B	0 bps	775 bps	0	0	0	0	0	100.000	0	0	0
cv_udp-3.2.2.wlan2--1.0.2-A	53.506 Kbps	20.029 Kbps	569	224	208	926	49	0	0	0	0
cv_udp-3.2.2.wlan2--1.0.2-B	19.961 Kbps	34.486 Kbps	227	368	718	926	2	36.028	0	4	237
cv_udp-3.2.2.wlan3--1.0.3-A	19.995 Kbps	20.183 Kbps	230	227	179	11,291	35	0	0	0	0
cv_udp-3.2.2.wlan3--1.0.3-B	19.912 Kbps	560 bps	227	7	11,112	11,291	617	96.957	0	0	296
cv_udp-3.2.2.wlan4--1.0.4-A	1.172 Mbps	20.183 Kbps	12896	225	115	266	26	0	0	0	0
cv_udp-3.2.2.wlan4--1.0.4-B	19.995 Kbps	1.126 Mbps	225	12394	151	266	11	2.714	0	78	615
cv_udp-3.2.2.wlan5--1.0.5-A	1.385 Mbps	20.183 Kbps	15624	224	114	130	18	0	0	0	0
cv_udp-3.2.2.wlan5--1.0.5-B	20.054 Kbps	1.376 Mbps	227	15732	16	130	0	0	0	79	355
cv_udp-3.2.2.wlan6--1.0.6-A	997.375 Kbps	19.4 Kbps	220	220	268	398	49	1.322	0	0	4

cv_udp-3.2-2.wlan6--1.0.6-B	19.851 Kbps	961.316 Kbps	227	10600	130	398	1	4.175	0	64	554
cv_udp-3.2-2.wlan7--1.0.7-A	1.227 Mbps	19.868 Kbps	13835	224	198	439	46	0.444	0	0	1
cv_udp-3.2-2.wlan7--1.0.7-B	19.995 Kbps	1.185 Mbps	225	13255	241	439	13	4.106	0	57	599
cv_udp-3.2-3.wlan20--1.0.8-A	953.883 Kbps	19.895 Kbps	10304	225	153	163	41	0	0	0	0
cv_udp-3.2-3.wlan20--1.0.8-B	19.902 Kbps	947.321 Kbps	224	10149	10	163	0	0	0	45	159
cv_udp-3.2-3.wlan21--1.0.9-A	1.298 Mbps	19.895 Kbps	13909	225	143	253	64	0	0	0	0
cv_udp-3.2-3.wlan21--1.0.9-B	19.945 Kbps	1.292 Mbps	227	13831	110	253	0	1.014	0	63	241
cv_udp-3.2-3.wlan22--1.0.10-A	648.065 Kbps	20.176 Kbps	7030	225	123	286	22	0	0	0	0
cv_udp-3.2-3.wlan22--1.0.10-B	19.851 Kbps	642.563 Kbps	226	6945	163	286	2	1.935	0	51	220
cv_udp-3.2-3.wlan23--1.0.11-A	1.5 Mbps	19.988 Kbps	17020	225	159	566	21	0	0	0	0
cv_udp-3.2-3.wlan23--1.0.11-B	19.808 Kbps	1.501 Mbps	224	16968	407	566	35	0.223	0	49	96
cv_udp-3.2-3.wlan0--1.0.12-A	1.749 Mbps	19.995 Kbps	19796	227	146	154	43	0	0	0	0
cv_udp-3.2-3.wlan0--1.0.12-B	19.961 Kbps	1.739 Mbps	226	19736	8	154	0	0.525	0	44	113
cv_udp-3.2-3.wlan5--1.0.13-A	1.779 Mbps	19.995 Kbps	20332	227	139	245	17	0	0	0	0
cv_udp-3.2-3.wlan5--1.0.13-B	20.005 Kbps	1.771 Mbps	227	20278	106	245	0	0.477	0	43	183
cv_udp-3.2-3.wlan10--1.0.14-A	1.714 Mbps	20.039 Kbps	18693	228	150	227	29	0	0	0	0
cv_udp-3.2-3.wlan10--1.0.14-B	19.902 Kbps	1.698 Mbps	224	18329	77	227	0	0.257	0	52	228
cv_udp-3.2-3.wlan15--1.0.15-A	1.676 Mbps	19.945 Kbps	19320	229	123	165	20	0	0	0	0
cv_udp-3.2-3.wlan15--1.0.15-B	19.945 Kbps	1.659 Mbps	226	19099	42	165	0	1.413	0	52	227
cv_udp-3.2-3.wlan1--1.0.16-A	1.671 Mbps	20.039 Kbps	19044	228	137	196	38	0	0	0	0
cv_udp-3.2-3.wlan1--1.0.16-B	19.961 Kbps	1.654 Mbps	226	18850	59	196	0	0	0	52	246
cv_udp-3.2-3.wlan6--1.0.17-A	1.636 Mbps	20.039 Kbps	17980	227	124	264	37	0	0	0	0
cv_udp-3.2-3.wlan6--1.0.17-B	20.005 Kbps	1.614 Mbps	227	17776	140	264	3	1.429	0	53	235
cv_udp-3.2-3.wlan11--1.0.18-A	1.617 Mbps	20.379 Kbps	18273	228	124	129	14	0	0	0	0
cv_udp-3.2-3.wlan11--1.0.18-B	20.123 Kbps	1.581 Mbps	224	17636	5	129	0	0.219	0	47	234
cv_udp-3.2-3.wlan16--1.0.19-A	623.541 Kbps	20.099 Kbps	6732	229	137	149	89	0	0	0	0
cv_udp-3.2-3.wlan16--1.0.19-B	20.029 Kbps	579.916 Kbps	223	6219	12	149	0	0.535	0	29	210
cv_udp-3.2-3.wlan2--1.0.20-A	1.805 Mbps	19.895 Kbps	20240	222	145	151	16	0	0	0	0
cv_udp-3.2-3.wlan2--1.0.20-B	19.902 Kbps	1.792 Mbps	223	20135	6	151	0	0.731	0	43	148
cv_udp-3.2-3.wlan7--1.0.21-A	1.302 Mbps	19.895 Kbps	15138	222	231	268	35	0	0	0	0
cv_udp-3.2-3.wlan7--1.0.21-B	19.818 Kbps	1.303 Mbps	226	15315	37	268	0	0	0	62	355
cv_udp-3.2-3.wlan12--1.0.22-A	745.607 Kbps	19.935 Kbps	8142	222	114	124	14	0	0	0	0
cv_udp-3.2-3.wlan12--1.0.22-B	19.935 Kbps	735.075 Kbps	223	8009	10	124	0	2.334	0	57	236
cv_udp-3.2-3.wlan17--1.0.23-A	777.014 Kbps	20.123 Kbps	9183	222	152	1,678	14	0	0	0	0
cv_udp-3.2-3.wlan17--1.0.23-B	19.902 Kbps	765.949 Kbps	223	9033	1,526	1,678	41	1.993	0	33	130
cv_udp-3.2-3.wlan3--1.0.24-A	1.419 Mbps	19.995 Kbps	15716	222	180	354	48	0	0	0	1
cv_udp-3.2-3.wlan3--1.0.24-B	19.945 Kbps	1.386 Mbps	225	15485	174	354	10	1.864	0	62	323
cv_udp-3.2-3.wlan8--1.0.25-A	1.762 Mbps	19.995 Kbps	19550	225	157	195	45	0	0	0	0
cv_udp-3.2-3.wlan8--1.0.25-B	19.901 Kbps	1.759 Mbps	223	19507	38	195	0	0.496	0	54	97
cv_udp-3.2-3.wlan13--1.0.26-A	2.294 Mbps	19.962 Kbps	25208	223	141	197	38	0	0	0	0
cv_udp-3.2-3.wlan13--1.0.26-B	19.935 Kbps	2.293 Mbps	223	25129	56	197	0	0	0	52	131
cv_udp-3.2-3.wlan18--1.0.27-A	1.625 Mbps	19.962 Kbps	17940	226	156	165	24	0	0	0	0
cv_udp-3.2-3.wlan18--1.0.27-B	19.902 Kbps	1.611 Mbps	222	17752	9	165	0	0	0	52	260
cv_udp-3.2-3.wlan4--1.0.28-A	1.775 Mbps	20.022 Kbps	19015	227	164	190	29	0	0	0	0
cv_udp-3.2-3.wlan4--1.0.28-B	19.945 Kbps	1.781 Mbps	225	19080	26	190	0	0	0	52	273
cv_udp-3.2-3.wlan9--1.0.29-A	912.394 Kbps	19.988 Kbps	9936	225	203	215	30	0	0	0	0
cv_udp-3.2-3.wlan9--1.0.29-B	19.901 Kbps	878.963 Kbps	222	9510	12	215	0	0	0	53	341
cv_udp-3.2-3.wlan14--1.0.30-A	801.168 Kbps	20.123 Kbps	8740	225	154	184	27	0	0	0	0
cv_udp-3.2-3.wlan14--1.0.30-B	19.995 Kbps	779.561 Kbps	222	8477	30	184	0	0	0	58	203
cv_udp-3.2-3.wlan19--1.0.31-A	1.346 Mbps	20.123 Kbps	14588	223	202	253	42	0	0	0	0
cv_udp-3.2-3.wlan19--1.0.31-B	19.851 Kbps	1.309 Mbps	224	14277	51	253	0	2.481	0	51	366

Trigger frame Bandwidth Report: BE 6Ghz OFDMA Disabled

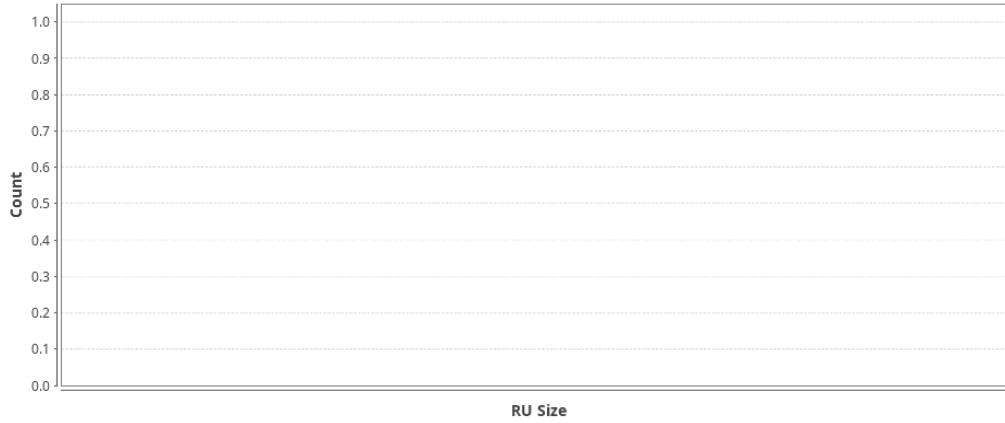
Upload: Last few frames.

Each row shows the reported bandwidth allocation. Each cell in the row indicates the AID (station identifier) and its respective bandwidth. Duplicated (same bandwidth allocation) sequences of frames are skipped, with only the last one being reported.

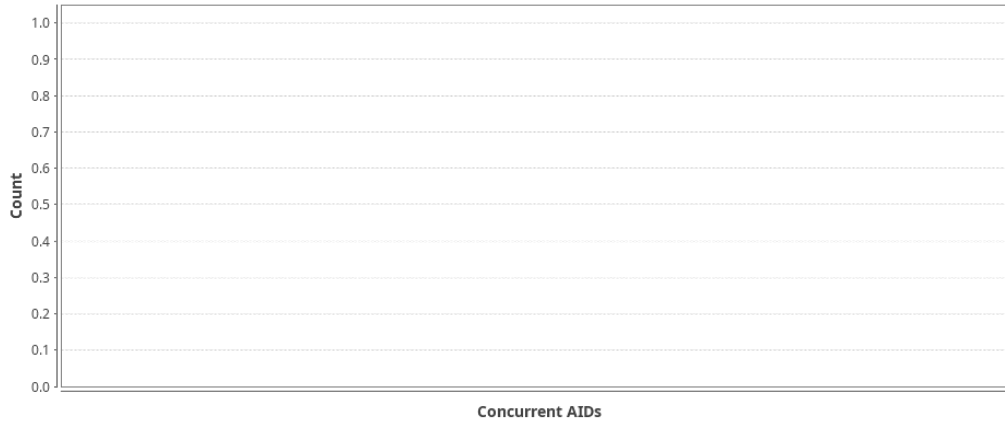
BSRP frames are currently skipped.

Frame	MU-MIMO SS	Dups	Type	0-8	9-17	18-26	27-36	37-45	46-54	55-63	64-73	74-82	83-91	92-100	101-110	111-119	120-128	129-137	138-147
-------	------------	------	------	-----	------	-------	-------	-------	-------	-------	-------	-------	-------	--------	---------	---------	---------	---------	---------

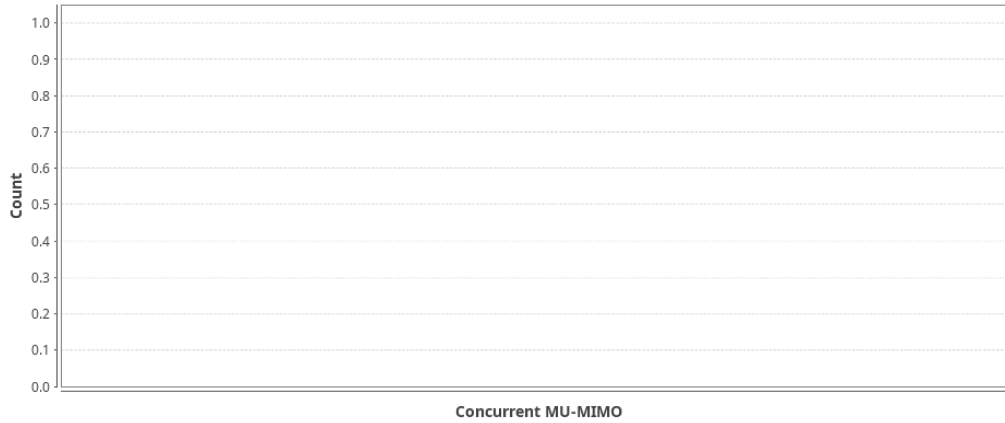
6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Disabled Upload
Trigger frame RU Allocation Counts



6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Disabled Upload
Trigger frame Concurrent AID Counts



6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Disabled Upload
Trigger frame Concurrent MU-MIMO Counts

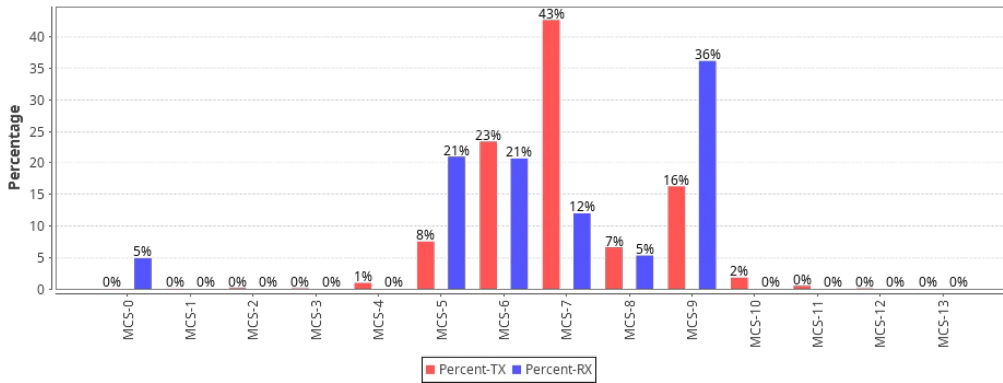


[Full OFDMA Trigger Packet Capture HTML report: BE 6Ghz OFDMA Disabled Upload](#)

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

[CSV Data for BE 6Ghz OFDMA Enabled Upload WiFi Packet MCS Percentages](#)

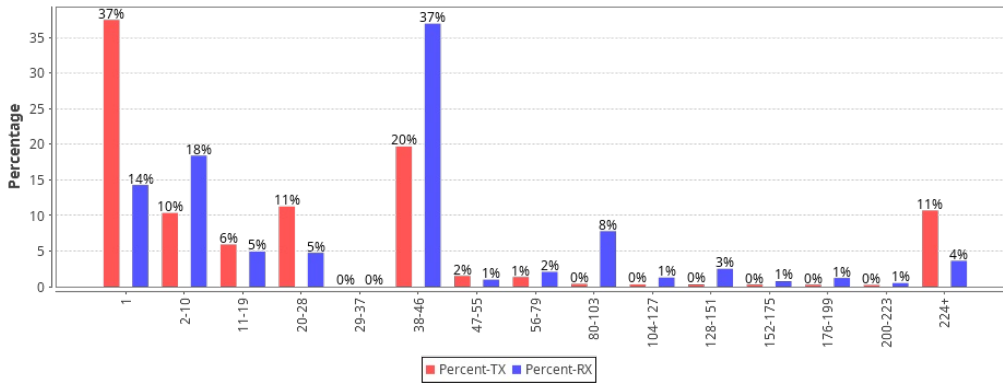
BE 6Ghz OFDMA Enabled Upload WiFi Packet MCS Percentages



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 OFDMA Enabled Upload WiFi Packet AMPDU Length Percentages](#)

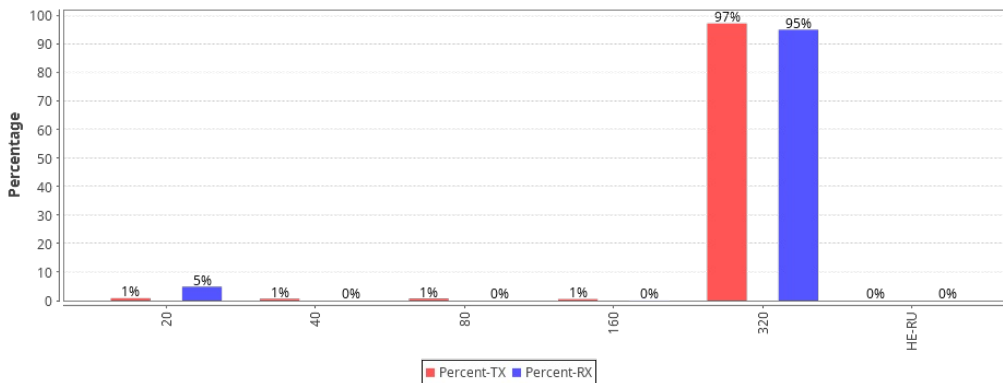
BE 6Ghz OFDMA Enabled Upload WiFi Packet AMPDU Length Percentages



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

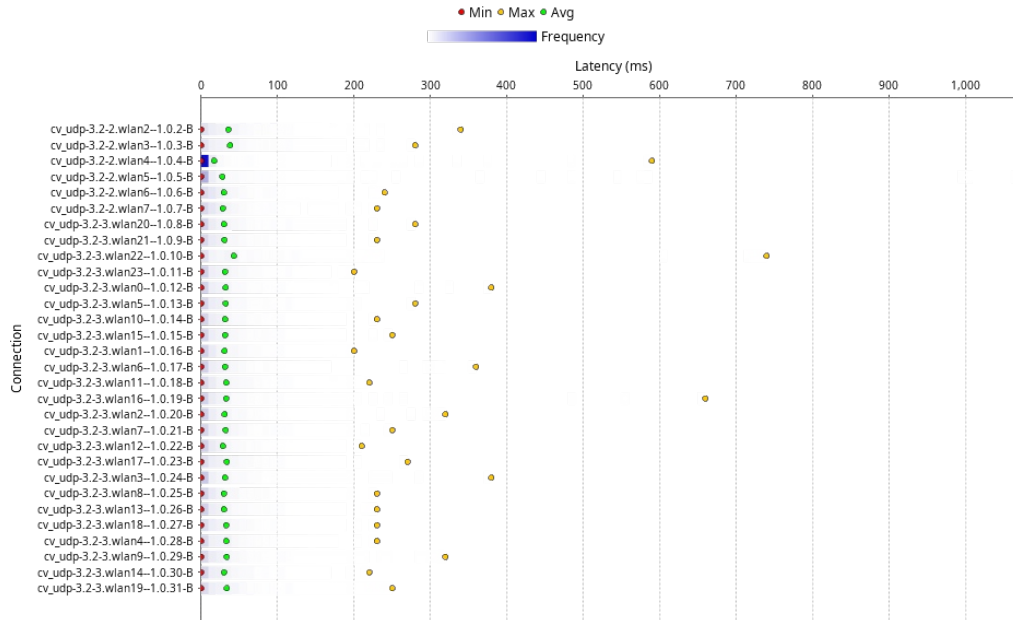
[CSV Data for BE 6Ghz OFDMA Enabled Upload WiFi Bandwidth Percentages](#)

BE 6Ghz OFDMA Enabled Upload WiFi Bandwidth Percentages



Distribution of latency values for Upload UDP connections. Latency readings are clamped to a [-1, 10] second range.

One-Way Latency, per Connection BE 6Ghz OFDMA Enabled Upload



Collected CSV Data: [CSV: 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload](#)

OFDMA: Snapshot BE 6Ghz OFDMA Enabled Upload while running traffic.

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
1.2.20 wlan0	1.182 Gbps	3.9 Mbps	55.807	2882.6 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	244	-53	[hidden]	192.168.1.197	e8:bf:b8:5a:12:f2
1.2.22 wlan2	4.025 Mbps	21.223 Kbps	32.404	2594.2 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	253	-54	[hidden]	192.168.1.187	e8:bf:b8:5a:12:e8
1.2.23 wlan3	2.917 Mbps	15.58 Kbps	31.544	2882.6 Mbps	1.73 Gbps	802.11a-BE 320 2x2	227	239	-55	[hidden]	192.168.1.242	e8:bf:b8:5a:17:2a
1.2.24 wlan4	2.981 Mbps	15.952 Kbps	17.943	3843.1 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	342	-45	[hidden]	192.168.1.193	e8:bf:b8:59:4e:67
1.2.25 wlan5	2.951 Mbps	15.773 Kbps	22.328	4322.6 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	973	-44	[hidden]	192.168.1.231	e8:bf:b8:5a:10:e0
1.2.26 wlan6	4.272 Mbps	24.124 Kbps	25.686	1921.5 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	122	-45	[hidden]	192.168.1.151	e8:bf:b8:5a:10:90
1.2.27 wlan7	3.094 Mbps	15.742 Kbps	27.103	2882.6 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	134	-45	[hidden]	192.168.1.103	e8:bf:b8:5a:0f:91
1.3.28 wlan20	3.013 Mbps	16.101 Kbps	27.776	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	143	-51	[hidden]	192.168.1.112	e8:bf:b8:5a:79:3b
1.3.29 wlan21	3.099 Mbps	16.105 Kbps	26.361	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	350	-50	[hidden]	192.168.1.236	e8:bf:b8:5a:79:22
1.3.30 wlan22	2.851 Mbps	16.105 Kbps	32.301	2305.6 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	1,039	-53	[hidden]	192.168.1.241	e8:bf:b8:5a:79:27
1.3.31 wlan23	3.144 Mbps	16.109 Kbps	22.27	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	216	-50	[hidden]	192.168.1.164	e8:bf:b8:5a:11:6c
1.3.32 wlan0	3.029 Mbps	16.04 Kbps	27.588	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	234	-51	[hidden]	192.168.1.138	10:91:d1:96:26:7a
1.3.33 wlan5	3.041 Mbps	16.094 Kbps	28.326	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	240	-51	[hidden]	192.168.1.108	10:91:d1:96:76:48
1.3.34 wlan10	3.065 Mbps	16.101 Kbps	28.323	3843.1 Mbps	2.306 Gbps	802.11a-BE 320 2x2	227	659	-51	[hidden]	192.168.1.237	10:91:d1:53:4d:5f
1.3.35 wlan15	3.034 Mbps	16.05 Kbps	26.943	3843.1 Mbps	3.843 Gbps	802.11a-BE 320 2x2	227	234	-50	[hidden]	192.168.1.140	10:91:d1:53:15:bf
1.3.36 wlan1	3.083 Mbps	16.057 Kbps	24.979	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	141	-51	[hidden]	192.168.1.173	10:91:d1:96:85:98
1.3.37 wlan6	3.01 Mbps	16.063 Kbps	29.517	3843.1 Mbps	2.883 Gbps	802.11a-BE 320 2x2	227	214	-51	[hidden]	192.168.1.124	10:91:d1:96:87:05
1.3.38 wlan11	3.066 Mbps	15.762 Kbps	24.419	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	144	-52	[hidden]	192.168.1.176	e8:bf:b8:5a:2e:c7
1.3.39 wlan16	3.013 Mbps	15.828 Kbps	24.733	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	241	-53	[hidden]	192.168.1.132	e8:bf:b8:5a:12:b1
1.3.40 wlan2	4.191 Mbps	21.158 Kbps	23.462	3843.1 Mbps	1.921 Gbps	802.11a-BE 320 2x2	227	145	-50	[hidden]	192.168.1.168	10:91:d1:96:85:93

1.3.41 wlan7	2.985 Mbps	16.117 Kbps	26.62	3843.1 Mbps	2.594 Gbps	802.11a- BE 320 2x2	227	866	-51	[hidden]	192.168.1.135	10:91:d1:96:89:44
1.3.42 wlan12	3.099 Mbps	16.145 Kbps	29.106	3843.1 Mbps	2.306 Gbps	802.11a- BE 320 2x2	227	238	-51	[hidden]	192.168.1.128	10:91:d1:53:27:30
1.3.43 wlan17	3.026 Mbps	15.967 Kbps	28.462	3843.1 Mbps	1.921 Gbps	802.11a- BE 320 2x2	227	244	-52	[hidden]	192.168.1.154	e8:bf:b8:5a:11:62
1.3.44 wlan3	3.099 Mbps	16.101 Kbps	23.191	3843.1 Mbps	2.306 Gbps	802.11a- BE 320 2x2	227	117	-51	[hidden]	192.168.1.194	a0:b3:39:64:82:ff
1.3.45 wlan8	3.069 Mbps	16.121 Kbps	27.522	3843.1 Mbps	3.843 Gbps	802.11a- BE 320 2x2	227	148	-51	[hidden]	192.168.1.133	10:91:d1:53:27:35
1.3.46 wlan13	3.082 Mbps	16.03 Kbps	25.987	3843.1 Mbps	2.306 Gbps	802.11a- BE 320 2x2	227	328	-49	[hidden]	192.168.1.113	10:91:d1:53:16:73
1.3.47 wlan18	3.022 Mbps	16.117 Kbps	27.368	3843.1 Mbps	1.921 Gbps	802.11a- BE 320 2x2	227	139	-52	[hidden]	192.168.1.110	e8:bf:b8:5a:18:a1
1.3.48 wlan4	3.14 Mbps	16.113 Kbps	22.791	3843.1 Mbps	2.883 Gbps	802.11a- BE 320 2x2	227	994	-51	[hidden]	192.168.1.163	a0:b3:39:64:82:e1
1.3.49 wlan9	3.06 Mbps	16.115 Kbps	29.604	3843.1 Mbps	1.921 Gbps	802.11a- BE 320 2x2	227	224	-50	[hidden]	192.168.1.186	10:91:d1:53:28:39
1.3.50 wlan14	3.067 Mbps	16.104 Kbps	27.891	3843.1 Mbps	2.594 Gbps	802.11a- BE 320 2x2	227	134	-50	[hidden]	192.168.1.223	e8:bf:b8:5a:0f:73
1.3.51 wlan19	3.079 Mbps	16.1 Kbps	28.09	3843.1 Mbps	1.921 Gbps	802.11a- BE 320 2x2	227	453	-52	[hidden]	192.168.1.123	e8:bf:b8:5a:78:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.3.2 eth2	4.549 Mbps	1.283 Gbps	10 Gbps	192.168.1.183	9c:69:b4:61:e5:b4

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Lat (ms)	RT Lat (ms)	Jitter	Rx Pkt Loss %	Rx OOO %	Rx DUP	Rx Seq Drop
cv_tcp-3.2-2.wlan0--1.0.0-A	390.543 Mbps	0 bps	47155	0	0	393	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.0-B	0 bps	390.285 Mbps	0	47697	393	393	123	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-A	382.323 Mbps	0 bps	46550	0	0	441	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.1-B	0 bps	383.353 Mbps	0	47341	441	441	130	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-A	393.077 Mbps	0 bps	47855	0	0	353	0	0	0	0	0
cv_tcp-3.2-2.wlan0--1.0.2-B	0 bps	394.347 Mbps	0	48604	353	353	133	0	0	0	0
cv_udp-3.2-2.wlan2--1.0.2-A	3.744 Mbps	19.932 Kbps	42028	224	31	57	20	0	0	0	0
cv_udp-3.2-2.wlan2--1.0.2-B	19.942 Kbps	3.729 Mbps	227	42331	26	57	0	0	0	140	390
cv_udp-3.2-2.wlan3--1.0.3-A	3.769 Mbps	19.992 Kbps	42320	225	26	54	15	0	0	0	0
cv_udp-3.2-2.wlan3--1.0.3-B	19.959 Kbps	3.755 Mbps	225	42234	28	54	0	0.454	0	106	283
cv_udp-3.2-2.wlan4--1.0.4-A	3.856 Mbps	19.805 Kbps	43516	224	24	51	17	0	0	0	0
cv_udp-3.2-2.wlan4--1.0.4-B	19.892 Kbps	3.851 Mbps	224	43307	27	51	0	0	0	23	94
cv_udp-3.2-2.wlan5--1.0.5-A	3.722 Mbps	19.899 Kbps	42044	224	26	48	19	0	0	0	0
cv_udp-3.2-2.wlan5--1.0.5-B	19.932 Kbps	3.71 Mbps	224	41869	22	48	0	0	0	52	170
cv_udp-3.2-2.wlan6--1.0.6-A	3.931 Mbps	19.959 Kbps	44298	224	26	59	16	0	0	0	0
cv_udp-3.2-2.wlan6--1.0.6-B	20.026 Kbps	3.926 Mbps	224	44149	33	59	0	0	0	61	118
cv_udp-3.2-2.wlan7--1.0.7-A	3.95 Mbps	19.925 Kbps	44620	225	27	58	24	0	0	0	0
cv_udp-3.2-2.wlan7--1.0.7-B	19.959 Kbps	3.948 Mbps	225	44572	31	58	0	0	0	46	96
cv_udp-3.2-3.wlan20--1.0.8-A	3.851 Mbps	19.925 Kbps	43286	225	21	65	14	0	0	0	0
cv_udp-3.2-3.wlan20--1.0.8-B	19.959 Kbps	3.84 Mbps	225	43122	44	65	0	0	0	65	229
cv_udp-3.2-3.wlan21--1.0.9-A	3.874 Mbps	19.925 Kbps	43700	225	23	49	18	0	0	0	0
cv_udp-3.2-3.wlan21--1.0.9-B	19.915 Kbps	3.855 Mbps	226	43699	26	49	0	0.213	0	92	185
cv_udp-3.2-3.wlan22--1.0.10-A	3.618 Mbps	19.925 Kbps	40740	225	23	80	15	0	0	0	0
cv_udp-3.2-3.wlan22--1.0.10-B	19.865 Kbps	3.59 Mbps	224	40405	57	80	0	0	0	145	429
cv_udp-3.2-3.wlan23--1.0.11-A	3.939 Mbps	19.891 Kbps	44482	225	22	47	19	0	0	0	0
cv_udp-3.2-3.wlan23--1.0.11-B	19.915 Kbps	3.934 Mbps	226	44514	25	47	0	0.061	0	59	165
cv_udp-3.2-3.wlan0--1.0.12-A	3.819 Mbps	20.009 Kbps	43230	226	24	62	16	0	0	0	0
cv_udp-3.2-3.wlan0--1.0.12-B	19.865 Kbps	3.829 Mbps	224	43059	38	62	0	0	0	77	145
cv_udp-3.2-3.wlan5--1.0.13-A	3.777 Mbps	20.008 Kbps	42688	226	20	47	12	0	0	0	0
cv_udp-3.2-3.wlan5--1.0.13-B	19.975 Kbps	3.766 Mbps	226	42660	27	47	1	0.281	0	92	191
cv_udp-3.2-3.wlan10--1.0.14-A	3.848 Mbps	19.975 Kbps	43470	226	22	54	14	0	0	0	0
cv_udp-3.2-3.wlan10--1.0.14-B	19.915 Kbps	3.837 Mbps	225	43273	32	54	0	0	0	77	182
cv_udp-3.2-3.wlan15--1.0.15-A	3.826 Mbps	19.975 Kbps	43194	226	20	69	14	0	0	0	0
cv_udp-3.2-3.wlan15--1.0.15-B	19.959 Kbps	3.826 Mbps	224	42852	49	69	0	0	0	82	194
cv_udp-3.2-3.wlan1--1.0.16-A	3.842 Mbps	19.942 Kbps	43516	226	21	66	14	0	0	0	0
cv_udp-3.2-3.wlan1--1.0.16-B	19.891 Kbps	3.833 Mbps	225	43157	45	66	1	0	0	72	128
cv_udp-3.2-3.wlan6--1.0.17-A	3.738 Mbps	19.942 Kbps	42182	226	20	49	16	0	0	0	0
cv_udp-3.2-3.wlan6--1.0.17-B	19.942 Kbps	3.735 Mbps	226	42100	29	49	0	0.372	0	75	126
cv_udp-3.2-3.wlan11--1.0.18-A	3.869 Mbps	19.926 Kbps	43010	222	20	86	16	0	0	0	0
cv_udp-3.2-3.wlan11--1.0.18-B	19.985 Kbps	3.846 Mbps	225	43066	66	86	1	0.051	0	78	239
cv_udp-3.2-3.wlan16--1.0.19-A	3.802 Mbps	20.079 Kbps	42320	223	20	55	13	0	0	0	0

cv_udp-3.2-3.wlan16--1.0.19-B	19.959 Kbps	3.797 Mbps	224	42464	35	55	0	0	0	60	146
cv_udp-3.2-3.wlan2--1.0.20-A	3.837 Mbps	19.932 Kbps	42918	223	24	43	19	0	0	0	0
cv_udp-3.2-3.wlan2--1.0.20-B	19.932 Kbps	3.831 Mbps	223	42844	19	43	0	0.315	0	61	154
cv_udp-3.2-3.wlan7--1.0.21-A	3.836 Mbps	19.932 Kbps	42843	223	24	63	14	0	0	0	0
cv_udp-3.2-3.wlan7--1.0.21-B	19.848 Kbps	3.826 Mbps	225	43202	39	63	0	0	0	74	206
cv_udp-3.2-3.wlan12--1.0.22-A	3.897 Mbps	19.838 Kbps	43424	222	18	55	8	0	0	0	0
cv_udp-3.2-3.wlan12--1.0.22-B	19.881 Kbps	3.891 Mbps	225	43802	37	55	0	0	0	73	173
cv_udp-3.2-3.wlan17--1.0.23-A	3.8 Mbps	19.899 Kbps	42458	223	19	40	9	0	0	0	0
cv_udp-3.2-3.wlan17--1.0.23-B	19.865 Kbps	3.788 Mbps	223	42468	21	40	0	0.134	0	67	175
cv_udp-3.2-3.wlan3--1.0.24-A	3.856 Mbps	19.899 Kbps	43147	223	24	47	17	0	0	0	0
cv_udp-3.2-3.wlan3--1.0.24-B	19.865 Kbps	3.847 Mbps	223	43056	23	47	1	0.315	0	45	168
cv_udp-3.2-3.wlan8--1.0.25-A	3.865 Mbps	19.865 Kbps	43270	223	21	41	19	0	0	0	0
cv_udp-3.2-3.wlan8--1.0.25-B	19.942 Kbps	3.866 Mbps	225	43634	20	41	0	0	0	72	130
cv_udp-3.2-3.wlan13--1.0.26-A	3.907 Mbps	19.832 Kbps	43608	223	22	43	14	0	0	0	0
cv_udp-3.2-3.wlan13--1.0.26-B	19.838 Kbps	3.895 Mbps	222	43313	21	43	0	0	0	56	161
cv_udp-3.2-3.wlan18--1.0.27-A	3.778 Mbps	19.925 Kbps	42274	223	21	71	13	0	0	0	0
cv_udp-3.2-3.wlan18--1.0.27-B	19.959 Kbps	3.772 Mbps	223	42128	50	71	1	0	0	77	180
cv_udp-3.2-3.wlan4--1.0.28-A	3.937 Mbps	19.925 Kbps	44014	223	20	72	11	0	0	0	0
cv_udp-3.2-3.wlan4--1.0.28-B	19.948 Kbps	3.922 Mbps	224	43976	52	72	0	0.234	0	65	203
cv_udp-3.2-3.wlan9--1.0.29-A	3.815 Mbps	19.985 Kbps	42734	224	23	42	13	0	0	0	0
cv_udp-3.2-3.wlan9--1.0.29-B	20.035 Kbps	3.81 Mbps	226	42922	19	42	0	0	0	59	141
cv_udp-3.2-3.wlan14--1.0.30-A	3.9 Mbps	19.854 Kbps	43562	223	23	79	14	0	0	0	0
cv_udp-3.2-3.wlan14--1.0.30-B	19.959 Kbps	3.895 Mbps	223	43314	56	79	0	0	0	66	163
cv_udp-3.2-3.wlan19--1.0.31-A	3.85 Mbps	19.915 Kbps	43148	224	23	49	16	0	0	0	0
cv_udp-3.2-3.wlan19--1.0.31-B	19.959 Kbps	3.849 Mbps	223	42897	26	49	3	0	0	64	163

Trigger frame Bandwidth Report: BE 6Ghz OFDMA Enabled Upload: Last few frames.

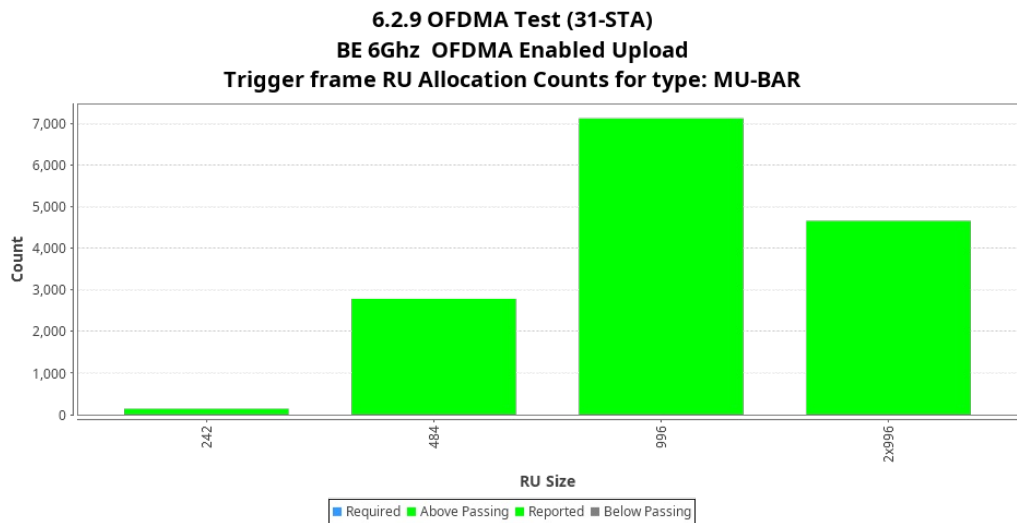
Each row shows the reported bandwidth allocation. Each cell in the row indicates the AID (station identifier) and its respective bandwidth. Duplicated (same bandwidth allocation) sequences of frames are skipped, with only the last one being reported.

BSRP frames are currently skipped.

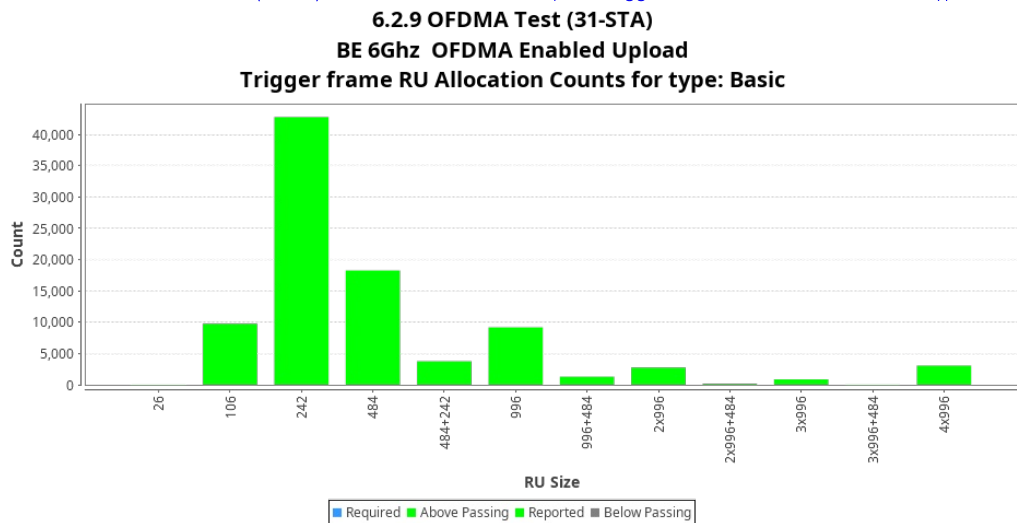
Frame	MU-MIMO SS	Dups	Type	0-8	9-17	18-26	27-36	37-45	46-54	55-63	64-73	74-82	83-91	92-100	101-110	111-119	120-128	129-137	138-147		
153019	1-2	0	Basic	3 484		28 242	19 242	25 242	29 242	33 242	5 242	22 484		9 484		4 484		27 484			
153022	1-2	0	Basic	10 4x996																	
153029	1-2	0	Basic	16 242	7 242	23 242	32 242	17 242	8 242	15 106	-1	18 106	14 106	-1	21 106	24 484	31 484	11 242	20 242	26 242	12 242
153031	1-2	0	Basic	29 242	33 242	22 242	28 242	25 242	4 242	9 242		3 242		11 484	27 484		5 484		2 242	19 242	
153033	1-2	0	Basic	10 4x996																	
153038	1-2	0	Basic	32 242	2 242	23 242	14 242	17 242	8 242	26 106	-1	16 106	15 106	-1	31 106	18 484	21 484	12 242	20 242	24 242	7 242
153043	1-2	0	Basic	5 484		22 242	27 242	29 242	4 242	9 242		3 242		19 484	25 484		33 484		28 484		
153048	1	0	MU-BAR	20 996				6 484		14 484				31 996				23 996			
153053	1-2	0	Basic	29 242	19 242	33 242	22 242	28 242	27 242	4 242		3 242		2 242	9 484+242		25 484		5 484		
153062	1-2	0	Basic	16 242	23 242	14 242	21 242	17 242	8 242	26 106	-1	18 106	7 106	-1	31 106	24 484	15 484	11 242	10 242	20 242	12 242

153064	1-2	0	Basic	11 3x996											32 996			11 3x996					
153077	1	0	MU-BAR	3 996				8 996								6 2x996							
153078	1-2	0	Basic	9 242	25 242	28 242	10 242	5 242	16 242		26 242		22 106	-1	4 106	27 484	2 242	29 242	3 242	12 242	24 242	19 242	
153094	1-2	0	Basic	33 4x996																			
153099	1-2	0	Basic	7 242	2 242	29 242	9 242	4 242	18 106	-1	31 106	23 106	-1	14 106	32 106	-1	19 106	21 484	17 484	8 484		20 242	15 242
153104	1	0	MU-BAR	12 996				2 996								30 996			6 996				
153118	1-2	0	Basic	28 242	33 242	5 242	18 242	15 242	7 242		25 106	-1	3 106	26 106	-1	16 106	22 242	24 484+242		27 242	10 242	12 242	31 242
153122	1-2	0	Basic	4 484		29 242	21 242	32 242	8 242		19 242		9 242			23 242	14 484+242		2 242	17 484+242			
153125	1-2	0	Basic	20 4x996																			

[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload Trigger frame RU Allocation Counts for type: MU-BAR](#)

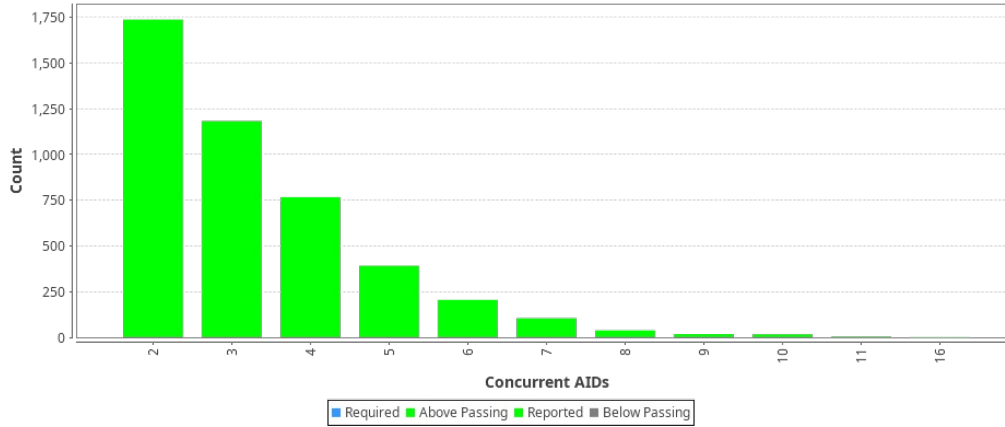


[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload Trigger frame RU Allocation Counts for type: Basic](#)



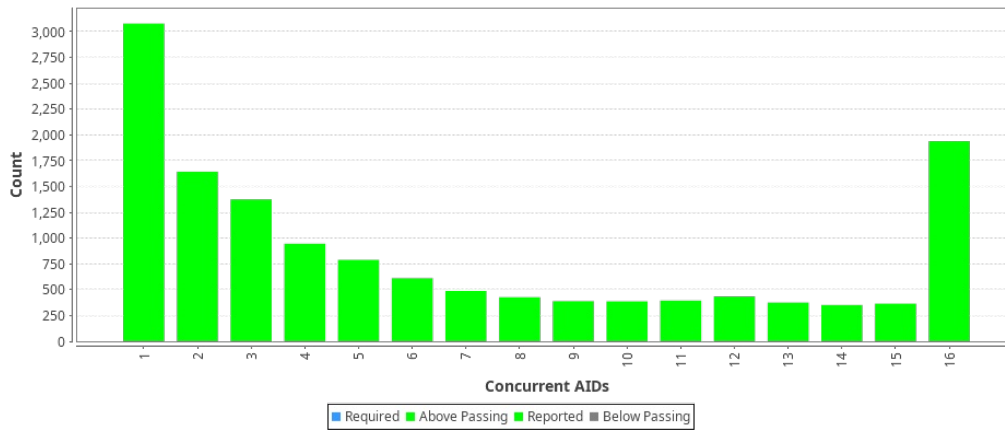
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload Trigger frame Concurrent AID Counts for type: MU-BAR](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Upload
Trigger frame Concurrent AID Counts for type: MU-BAR



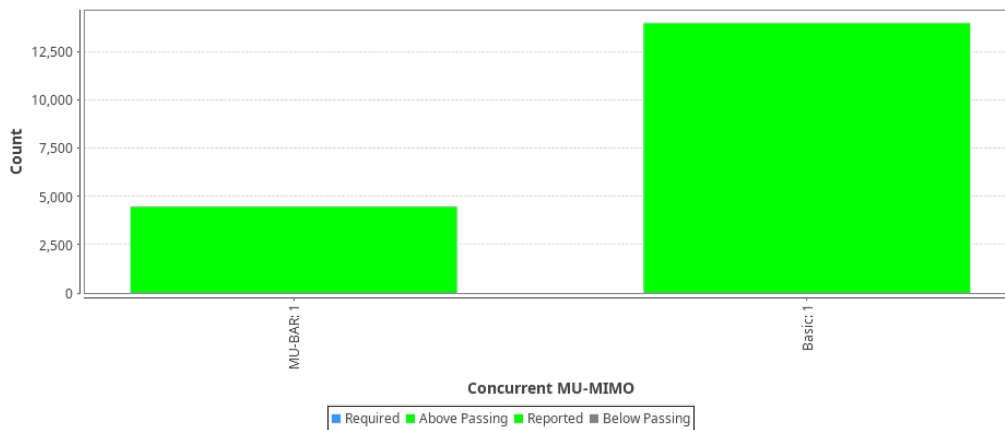
[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload Trigger frame Concurrent AID Counts for type: Basic](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Upload
Trigger frame Concurrent AID Counts for type: Basic

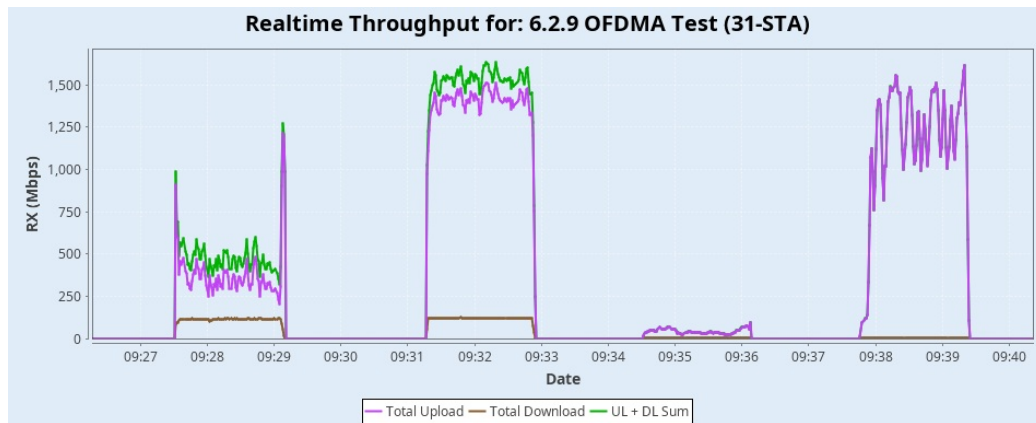


[CSV Data for 6.2.9 OFDMA Test \(31-STA\) BE 6Ghz OFDMA Enabled Upload Trigger frame Concurrent MU-MIMO Counts](#)

6.2.9 OFDMA Test (31-STA)
BE 6Ghz OFDMA Enabled Upload
Trigger frame Concurrent MU-MIMO Counts



[Full OFDMA Trigger Packet Capture HTML report: BE 6Ghz OFDMA Enabled Upload](#)



[Key Performance Indicators CSV](#)

Test configuration and LANforge software version	
Auto-Helper	true
Allow-11w (MFP/PMF)	false
SAE-PWE	2
Disable-MLO	true
TXS All	false
Skip 2.4Ghz Tests	true
Skip 5Ghz Tests	true
Duration-120	30
Duration-60	30
Channel 2GHz	AUTO
Channel 5GHz	AUTO
Channel 6GHz	AUTO
Calibrate against LANforge AP	true
LANforge Calibration TxPower-2.4G	20
LANforge Calibration TxPower-5G	20
Multi-Conn	10
Use-IPv6	false
UDP-Burst	true
UDP-GRO	false
Multiple Endpoints:	3
ToS	0
PId 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.eth2 Firmware: 0x80000aef, 1.1876.0 Resource: 204-tr398-r3
Alien Upstream Port	1.2.2 eth2 Firmware: 0x80000aef, 1.1876.0 Resource: 204-tr398-r2

Turn-Table Chamber	TR-398
Prefer Virtual STA Radios	false
Opposite-Speed:	20000
1Gbps Throughput Limit:	925000000
2.5Gbps Throughput Limit:	2300000000
5Gbps Throughput Limit:	4600000000
Prefer Group 0	false
Prefer Group 1	true
Prefer Group 2	false
Extra TxStatus	false
Extra RxStatus	false
TXS All	false
Adjust UL Atten with STA TxPower	true
Adjust UL Atten with DUT TxPower	false
2.4GHz Channel	-1
5GHz Channel	-1
6GHz Channel	-1
Default NSS	2
2.4GHz 2m RSSI	-25
5GHz 2m RSSI	-30
Attenuation Adjustment	0
Extra Download Path-loss	0
STA TX Power:	20
DUT AP Expected TX Power-2.4G:	30
DUT AP Expected TX Power-5G:	30
Virt-Sta Rotation 2.4GHz	0
Virt-Sta Rotation 5GHz	0
Virt-Sta Rotation 6GHz	0
AX Rotation 2.4GHz	0
AX Rotation 5GHz	0
AX Rotation 6GHz	0
6.2.9 OFDMA Throughput	
PDU Size:	700
OFDMA Throughput Requirement:	1050000
Ramp Duration:	30
UDP Download rate 2GHz:	1000000
UDP Download rate 5/6GHz:	4000000
OFDMA STA Count:	31
TCP Traffic:	4

Randomize Offered Load	false
OFDMA Download	true
OFDMA Upload	true
Packet Capture	true
Latency over Time	false
AX Radio 0	1.2.wiphy0 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 2	1.2.wiphy2 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 3	1.2.wiphy3 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 4	1.2.wiphy4 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 5	1.2.wiphy5 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 6	1.2.wiphy6 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 7	1.2.wiphy7 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r2
AX Radio 8	1.3.wiphy20 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 9	1.3.wiphy21 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 10	1.3.wiphy22 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 11	1.3.wiphy23 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 12	1.3.wiphy0 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 13	1.3.wiphy5 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 14	1.3.wiphy10 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 15	1.3.wiphy15 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 16	1.3.wiphy1 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 17	1.3.wiphy6 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 18	1.3.wiphy11 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 19	1.3.wiphy16 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 20	1.3.wiphy2 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 21	1.3.wiphy7 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 22	1.3.wiphy12 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 23	1.3.wiphy17 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3

AX Radio 24	1.3.wiphy3 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 25	1.3.wiphy8 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 26	1.3.wiphy13 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 27	1.3.wiphy18 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 28	1.3.wiphy4 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 29	1.3.wiphy9 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 30	1.3.wiphy14 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Radio 31	1.3.wiphy19 Firmware: 94.62990553.0 gl-c0-fm-c0-94.uc Resource: 204-tr398-r3
AX Attenuator 0	AX rssi-0-2.4GHz: -26 rssi-0-5GHz: -39 atten: 1.1.3100.3
AX Attenuator 1	AX rssi-0-2.4GHz: -26 rssi-0-5GHz: -39 atten: 1.1.3100.2
AX Attenuator 2	AX rssi-0-2.4GHz: -26 rssi-0-5GHz: -39 atten: NA
AX Attenuator 3	AX rssi-0-2.4GHz: -26 rssi-0-5GHz: -39 atten: NA
AX Attenuator 4	AX rssi-0-2.4GHz: -29 rssi-0-5GHz: -44 atten: 1.1.3100.1
AX Attenuator 5	AX rssi-0-2.4GHz: -29 rssi-0-5GHz: -44 atten: 1.1.3100.0
AX Attenuator 6	AX rssi-0-2.4GHz: -29 rssi-0-5GHz: -44 atten: NA
AX Attenuator 7	AX rssi-0-2.4GHz: -29 rssi-0-5GHz: -44 atten: NA
AX Attenuator 8	AX rssi-0-2.4GHz: -32 rssi-0-5GHz: -64 atten: 1.1.3099.3
AX Attenuator 9	AX rssi-0-2.4GHz: -32 rssi-0-5GHz: -64 atten: 1.1.3099.2
AX Attenuator 10	AX rssi-0-2.4GHz: -32 rssi-0-5GHz: -64 atten: NA
AX Attenuator 11	AX rssi-0-2.4GHz: -32 rssi-0-5GHz: -64 atten: NA
Details for Resource: 1.1	Hostname: 204-tr398-mgr LANforge ver: 5.4.9 64bit Kernel-Version: 6.11.11+
Details for Resource: 1.2	Hostname: 204-tr398-r2 LANforge ver: 5.4.9 64bit Kernel-Version: 6.11.11+
Details for Resource: 1.3	Hostname: 204-tr398-r3 LANforge ver: 5.4.9 64bit Kernel-Version: 6.11.11+
Show Events	true
Build Date	Tue Dec 17 03:07:13 PM PST 2024
Git Version	15dd4ea59a7ddcf60042675904c52779cddea9ba

[CSV Data](#)

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