

# Capacity Test

## AP Automated Test Plan

Fri Oct 07 16:01:56 PDT 2022



Test Setup Information	
Device Under Test	TR-398_DUT asus-ax11000-5 f0:2f:74:57:db:b4 (2) TR-398_DUT asus-ax11000-2 f0:2f:74:57:db:b0 (1)
Estimated Run Time	18 m
Actual Run Time	9.194 m

### Summary Results

Test	Result	Candela Score	Elapsed	Info
Capacity	2.4Ghz FAIL 5Ghz FAIL	73	8.748 m	2.4Ghz 32 Stations, 163.80 Mbps Total throughput: 163.80 Mbps / 177.00 Mbps (P/F Auto-Calculated)  5Ghz 19 Stations, 5.91 Mbps Total throughput: 5.91 Mbps / 861.37 Mbps (P/F Auto-Calculated)

## Capacity

### Summary

The Capacity test intends to verify that the Wi-Fi AP can support many STAs simultaneously.

If Mode, NSS, and Bandwidth are all configured for AUTO

Then by default, the offered load basis is 300 Mbps for 2.4Ghz and 1,300 Mbps for 5Ghz. But if the throughput test (single station) is selected in the same test run, or in a previous test run within the same window, then the results of that throughput test will be used to replace the offered load basis.

The new offered load basis would be 120% of the throughput test's found load basis.

If Mode, NSS, and Bandwidth are NOT all configured for AUTO

The offered load is the theoretical encoding rate for the selected configuration.

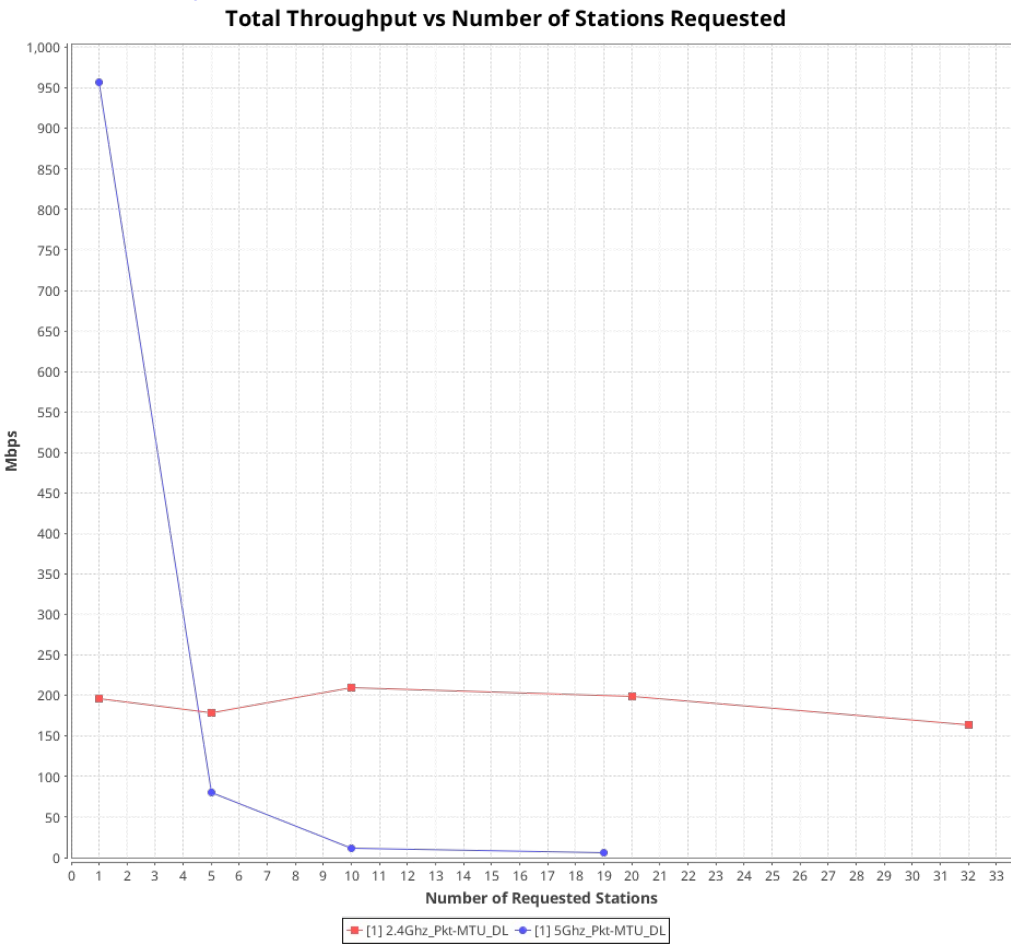
Throughput Pass/Fail is 90% of the configured pass/fail throughput. See the Pass/Fail Configuration tab.

The Candela Score is calculated with 1/2 of the score coming from the percentage of stations being able to associate and get an IP address, and 1/2 of the score coming from total throughput. The total throughput component will be calculated as a percentage of the actual throughput vs the required throughput. Users may enter their own pass/fail thresholds on the 'Pass/Fail Configuration' screen.

At the default configuration, a single packet size, download direction, WiFi mode, and number of spatial streams will be used. However, one may also configure this test to do different numbers of stations, upload, multiple modes, packet sizes, spatial streams and bandwidths.

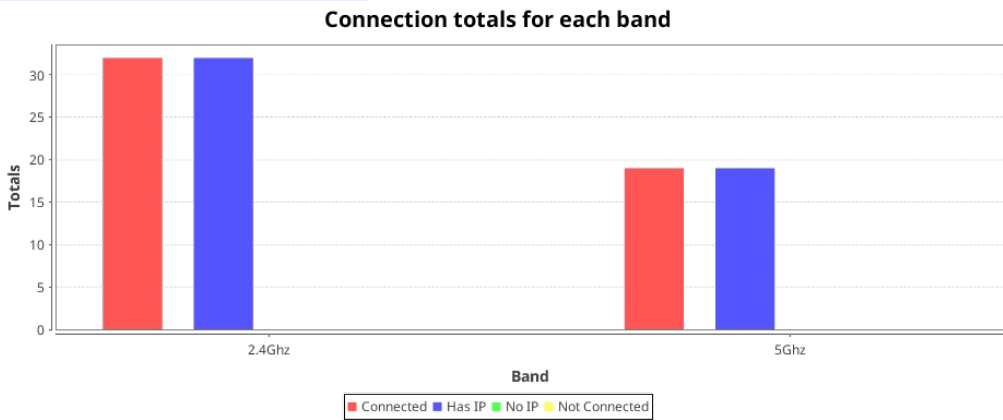
Total throughput for each number of active stations requested.

[CSV Data for Total Throughput vs Number of Stations Requested](#)



Connection totals for each band, measured at the last capacity tested for each band.

[CSV Data for Connection totals for each band](#)



## Capacity Results

Type	Result	Notes
Estimated Iterations	INFO	10 (non-supported combinations will be skipped)
Configuration NOTE	INFO	Spatial Streams: AUTO
Configuration NOTE	INFO	Bandwidths to test: AUTO
Configuration NOTE	INFO	Modes to test: Auto
Max Capacity	INFO	No more stations created, had: 32 Requested: 32

Configuration NOTE	INFO	Configured to skip Dual band test.
Configuration NOTE	INFO	Configured to skip 5Ghz-B band test.
Configuration NOTE	INFO	Configured to skip Tri band test.

Capacity Details

Iter	Band	NSS	BW	Mode	Stations	UL/DL	Pkt Size	Reported	Requested	Result	Criteria
[1]	2.4Ghz	AUTO	AUTO	AUTO	1	DL	MTU	196.67 Mbps	177.00 Mbps	PASS	Auto-Calculated
[1]	2.4Ghz	AUTO	AUTO	AUTO	5	DL	MTU	178.48 Mbps	177.00 Mbps	PASS	Auto-Calculated
[1]	2.4Ghz	AUTO	AUTO	AUTO	10	DL	MTU	210.15 Mbps	177.00 Mbps	PASS	Auto-Calculated
[1]	2.4Ghz	AUTO	AUTO	AUTO	20	DL	MTU	199.23 Mbps	177.00 Mbps	PASS	Auto-Calculated
[1]	2.4Ghz	AUTO	AUTO	AUTO	32	DL	MTU	163.80 Mbps	177.00 Mbps	FAIL	Auto-Calculated
[1]	5Ghz	AUTO	AUTO	AUTO	1	DL	MTU	957.08 Mbps	861.37 Mbps	PASS	Auto-Calculated
[1]	5Ghz	AUTO	AUTO	AUTO	5	DL	MTU	80.85 Mbps	861.37 Mbps	FAIL	Auto-Calculated
[1]	5Ghz	AUTO	AUTO	AUTO	10	DL	MTU	11.53 Mbps	861.37 Mbps	FAIL	Auto-Calculated
[1]	5Ghz	AUTO	AUTO	AUTO	19	DL	MTU	5.91 Mbps	861.37 Mbps	FAIL	Auto-Calculated

Capacity Test [1] 2.4Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 1 5Ghz STA: 0

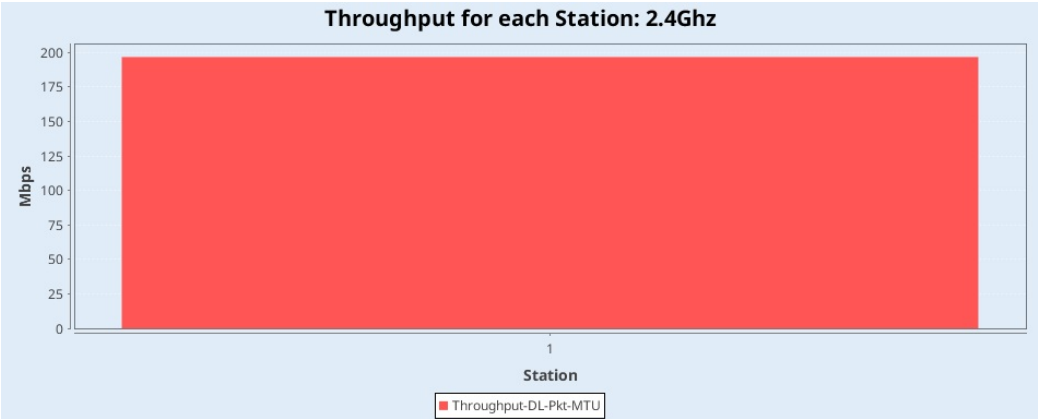
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan0	12.485 Kbps	123.179 Mbps	0	104 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	59	-38	F0:2F:74:57:DB:B0	192.168.50.151	04:f0:21:66:90:c9

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	104.69 Mbps	7.001 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan0--1.0.0-A	20.087 Kbps	197.849 Mbps	34	334867	132	156	0	29.072	0.005
cv_udp-1.3-1.wlan0--1.0.0-B	301.902 Mbps	19.823 Kbps	472121	31	24	156	22	0	0

Throughput for each Station, configuration: 2.4Ghz. This indicates how fair is the AP. Station count: 1

Throughput for each Station: 2.4Ghz



Capacity Test [1] 2.4Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 5 5Ghz STA: 0

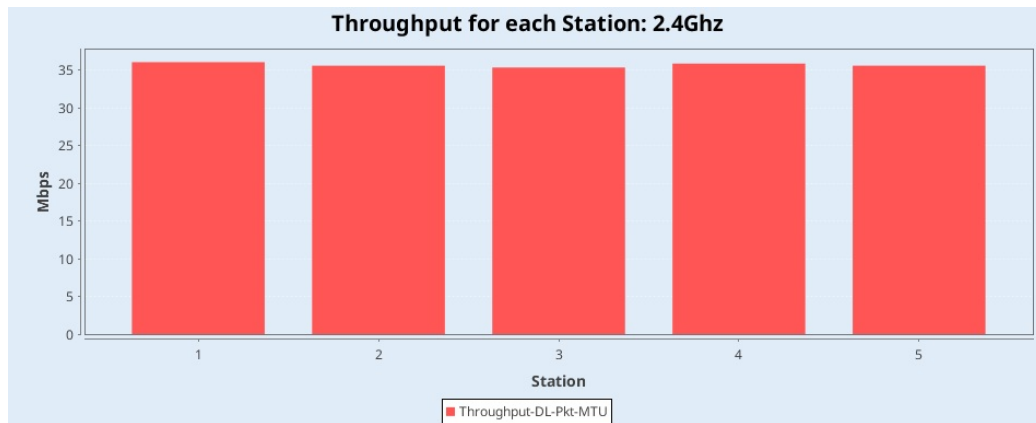
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan0	25.682 Kbps	81.477 Mbps	19.452	57.8 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-41	F0:2F:74:57:DB:B0	192.168.50.151	04:f0:21:66:90:c9
1.1.14 sta01000	13.851 Kbps	25.651 Mbps	0	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	50	-41	F0:2F:74:57:DB:B0	192.168.50.92	04:f0:21:66:99:c9
1.1.15 sta01001	13.902 Kbps	24.777 Mbps	0	117 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	52	-42	F0:2F:74:57:DB:B0	192.168.50.168	04:f0:21:66:aa:c9
1.1.16 sta01002	13.607 Kbps	24.874 Mbps	0	104 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	54	-42	F0:2F:74:57:DB:B0	192.168.50.27	04:f0:21:66:a7:c9
1.1.17 sta01003	13.624 Kbps	24.89 Mbps	1.613	78 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-42	F0:2F:74:57:DB:B0	192.168.50.239	04:f0:21:66:97:c9

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	221.035 Mbps	64.099 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan0--1.0.0-A	19.971 Kbps	36.112 Mbps	34	61476	658	673	0	17.003	0
cv_udp-1.3-1.wlan0--1.0.0-B	47.341 Mbps	19.812 Kbps	74070	31	15	673	15	0	0
cv_udp-1.3-1.sta01000--1.0.0-A	19.992 Kbps	35.872 Mbps	34	61006	729	758	0	25.781	0
cv_udp-1.3-1.sta01000--1.0.0-B	45.208 Mbps	18.999 Kbps	71381	30	29	758	22	0	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.897 Kbps	35.58 Mbps	34	60796	742	764	0	20.830	0
cv_udp-1.3-1.sta01001--1.0.0-B	47.576 Mbps	20.444 Kbps	76792	33	22	764	21	0	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.831 Kbps	36.031 Mbps	34	61775	772	803	0	19.554	0
cv_udp-1.3-1.sta01002--1.0.0-B	47.575 Mbps	19.825 Kbps	76791	32	31	803	25	0	0
cv_udp-1.3-1.sta01003--1.0.0-A	20.313 Kbps	35.751 Mbps	35	61599	772	801	2	17.356	0
cv_udp-1.3-1.sta01003--1.0.0-B	47.232 Mbps	19.01 Kbps	74535	30	29	801	23	5.714	0

Throughput for each Station, configuration: 2.4Ghz. This indicates how fair is the AP. Station count: 5

Throughput for each Station: 2.4Ghz



Capacity Test [1] 2.4Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 10 5Ghz STA: 0

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
1.1.12 wlan0	32.146 Kbps	20.192 Mbps	9.902	78 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-41	F0:2F:74:57:DB:B0	192.168.50.151	04:f0:21:66:90:c0
1.1.14 sta01000	22.601 Kbps	18.834 Mbps	4.734	173.3 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	50	-40	F0:2F:74:57:DB:B0	192.168.50.92	04:f0:21:66:99:c0
1.1.15 sta01001	21.314 Kbps	17.573 Mbps	6.39	104 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	52	-38	F0:2F:74:57:DB:B0	192.168.50.168	04:f0:21:66:aa:c0
1.1.16 sta01002	24.206 Kbps	18.698 Mbps	12.467	231.1 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	54	-41	F0:2F:74:57:DB:B0	192.168.50.27	04:f0:21:66:a7:c0
1.1.17 sta01003	23.967 Kbps	18.662 Mbps	0.86	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-41	F0:2F:74:57:DB:B0	192.168.50.239	04:f0:21:66:97:c0
1.1.25 sta01500	10.765 Kbps	10.665 Mbps	0	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	57	-40	F0:2F:74:57:DB:B0	192.168.50.174	04:f0:21:66:a5:c0
1.1.26 sta01501	13.525 Kbps	11.917 Mbps	0	130 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	54	-41	F0:2F:74:57:DB:B0	192.168.50.16	04:f0:21:66:88:c0
1.1.27 sta01502	11.721 Kbps	11.924 Mbps	0	130 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	50	-41	F0:2F:74:57:DB:B0	192.168.50.45	04:f0:21:66:98:c0
1.1.28 sta01503	11.66 Kbps	11.851 Mbps	0	115.6 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-41	F0:2F:74:57:DB:B0	192.168.50.150	04:f0:21:66:b9:c0
1.1.29 sta01504	11.899 Kbps	11.861 Mbps	2.817	117 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	54	-42	F0:2F:74:57:DB:B0	192.168.50.227	04:f0:21:66:a1:c0

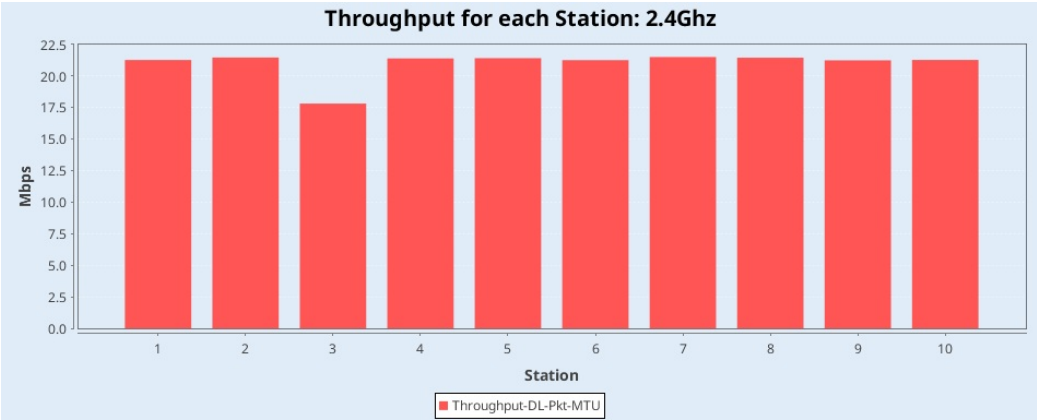
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	148.316 Mbps	193.117 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OK %
cv_udp-1.3-1.wlan0--1.0.0-A	20.011 Kbps	21.373 Mbps	34	36314	1,064	1,126	0	2.119	0
cv_udp-1.3-1.wlan0--1.0.0-B	23.699 Mbps	19.559 Kbps	41195	34	62	1,126	60	0	0
cv_udp-1.3-1.sta01000--1.0.0-A	19.943 Kbps	21.499 Mbps	34	36651	633	738	0	1.822	0
cv_udp-1.3-1.sta01000--1.0.0-B	23.684 Mbps	20.301 Kbps	37331	32	105	738	57	0	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.862 Kbps	17.871 Mbps	34	30591	1,314	1,390	0	18.057	0
cv_udp-1.3-1.sta01001--1.0.0-B	23.684 Mbps	19.666 Kbps	37332	31	76	1,390	49	0	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.802 Kbps	21.436 Mbps	34	36805	779	850	0	1.409	0
cv_udp-1.3-1.sta01002--1.0.0-B	23.682 Mbps	19.665 Kbps	37331	31	71	850	48	0	0
cv_udp-1.3-1.sta01003--1.0.0-A	19.729 Kbps	21.447 Mbps	34	36959	866	954	0	2.573	0
cv_udp-1.3-1.sta01003--1.0.0-B	23.715 Mbps	20.004 Kbps	37935	32	88	954	57	0	0
cv_udp-1.3-1.sta01500--1.0.0-A	19.852 Kbps	21.443 Mbps	34	36722	527	621	0	1.499	0
cv_udp-1.3-1.sta01500--1.0.0-B	23.683 Mbps	20.327 Kbps	37281	32	94	621	57	0	0
cv_udp-1.3-1.sta01501--1.0.0-A	19.763 Kbps	21.662 Mbps	34	37266	443	559	0	1.639	0
cv_udp-1.3-1.sta01501--1.0.0-B	23.716 Mbps	20.03 Kbps	37887	32	116	559	62	0	0
cv_udp-1.3-1.sta01502--1.0.0-A	19.697 Kbps	21.591 Mbps	34	37267	424	515	0	6.947	0
cv_udp-1.3-1.sta01502--1.0.0-B	22.607 Mbps	19.622 Kbps	35714	31	91	515	45	0	0
cv_udp-1.3-1.sta01503--1.0.0-A	19.638 Kbps	21.346 Mbps	34	36957	364	459	0	2.455	0
cv_udp-1.3-1.sta01503--1.0.0-B	23.714 Mbps	20.655 Kbps	37887	33	95	459	58	0	0
cv_udp-1.3-1.sta01504--1.0.0-A	19.729 Kbps	21.447 Mbps	34	36959	866	954	0	2.573	0
cv_udp-1.3-1.sta01504--1.0.0-B	23.715 Mbps	20.004 Kbps	37935	32	88	954	57	0	0

A	19.536 Kbps	21.368 Mbps	34	37187	315	405	0	7.684	0
cv_udp-1.3-1.sta01504--1.0.0-B	22.646 Mbps	18.913 Kbps	35919	30	90	405	46	0	0

Throughput for each Station, configuration: 2.4Ghz. This indicates how fair is the AP. Station count: 10

Throughput for each Station: 2.4Ghz



Capacity Test [1] 2.4Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 20 5Ghz STA: 0

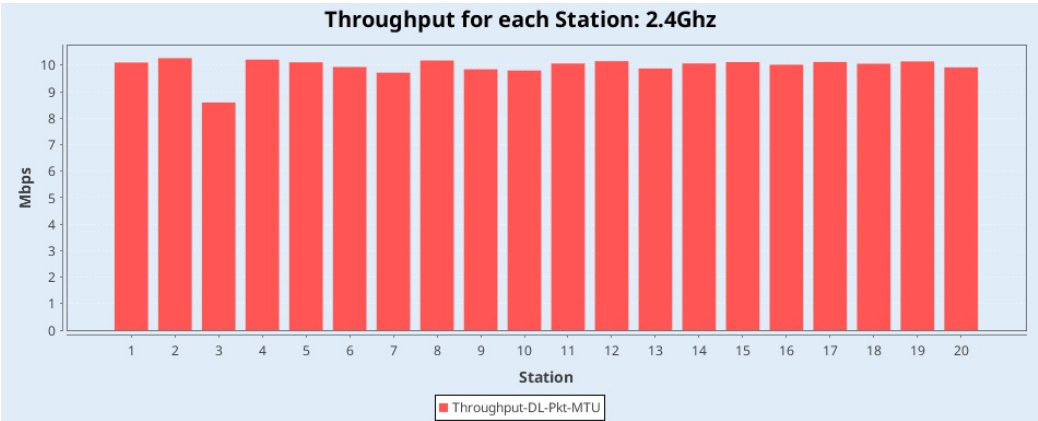
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan0	21.731 Kbps	9.166 Mbps	7.602	78 Mbps	288.9 Mbps	802.11bgn-AC 20 4x4	2.447	59	-40	F0:2F:74:57:DB:B0	192.168.50.151	04:f0:21:66:90:c9
1.1.14 sta01000	20.297 Kbps	10.1 Mbps	5.739	156 Mbps	1 Mbps	802.11bgn-AC 20 4x4	2.447	50	-36	F0:2F:74:57:DB:B0	192.168.50.92	04:f0:21:66:99:c9
1.1.15 sta01001	19.606 Kbps	8.475 Mbps	8.302	117 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2.447	52	-36	F0:2F:74:57:DB:B0	192.168.50.168	04:f0:21:66:aa:c9
1.1.16 sta01002	18.029 Kbps	10.043 Mbps	10.702	117 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	54	-40	F0:2F:74:57:DB:B0	192.168.50.27	04:f0:21:66:a7:c9
1.1.17 sta01003	15.246 Kbps	10.052 Mbps	0.662	86.7 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	59	-41	F0:2F:74:57:DB:B0	192.168.50.239	04:f0:21:66:97:c9
1.1.25 sta01500	14.401 Kbps	8.575 Mbps	0	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	57	-40	F0:2F:74:57:DB:B0	192.168.50.174	04:f0:21:66:a5:c9
1.1.26 sta01501	14.168 Kbps	8.606 Mbps	0.469	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	54	-39	F0:2F:74:57:DB:B0	192.168.50.16	04:f0:21:66:88:c9
1.1.27 sta01502	12.66 Kbps	8.67 Mbps	0	86.7 Mbps	288.9 Mbps	802.11bgn-AC 20 4x4	2.447	50	-39	F0:2F:74:57:DB:B0	192.168.50.45	04:f0:21:66:98:c9
1.1.28 sta01503	11.102 Kbps	8.579 Mbps	0	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	59	-39	F0:2F:74:57:DB:B0	192.168.50.150	04:f0:21:66:b9:c9
1.1.29 sta01504	13.983 Kbps	8.575 Mbps	1.456	86.7 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	54	-41	F0:2F:74:57:DB:B0	192.168.50.227	04:f0:21:66:a1:c9
1.1.35 sta02000	10.205 Kbps	5.21 Mbps	1.316	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	59	-39	F0:2F:74:57:DB:B0	192.168.50.51	04:f0:21:66:93:c9
1.1.36 sta02001	10.163 Kbps	5.218 Mbps	4	115.6 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	58	-40	F0:2F:74:57:DB:B0	192.168.50.97	04:f0:21:66:bd:c9
1.1.37 sta02002	10.188 Kbps	5.168 Mbps	1.333	156 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	70	-40	F0:2F:74:57:DB:B0	192.168.50.163	04:f0:21:66:86:c9
1.1.38 sta02003	10.238 Kbps	5.192 Mbps	1.333	86.7 Mbps	288.9 Mbps	802.11bgn-AC 20 4x4	2.447	47	-38	F0:2F:74:57:DB:B0	192.168.50.22	04:f0:21:66:83:c9
1.1.39 sta02004	10.242 Kbps	5.204 Mbps	0	130 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	53	-39	F0:2F:74:57:DB:B0	192.168.50.162	04:f0:21:66:af:c9
1.1.40 sta02005	10.083 Kbps	5.131 Mbps	1.351	156 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2.447	55	-41	F0:2F:74:57:DB:B0	192.168.50.156	04:f0:21:66:b4:c9
1.1.41 sta02006	10.297 Kbps	5.201 Mbps	0	130 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	93	-40	F0:2F:74:57:DB:B0	192.168.50.203	04:f0:21:66:b5:c9
1.1.42 sta02007	10.436 Kbps	5.146 Mbps	0	173.3 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	43	-39	F0:2F:74:57:DB:B0	192.168.50.209	04:f0:21:66:b0:c9
1.1.43 sta02008	10.375 Kbps	5.195 Mbps	2.632	104 Mbps	288.9 Mbps	802.11bgn-AC 20 4x4	2.447	65	-40	F0:2F:74:57:DB:B0	192.168.50.122	04:f0:21:66:80:c9
1.1.44 sta02009	10.426 Kbps	5.146 Mbps	0	117 Mbps	260 Mbps	802.11bgn-AC 20 4x4	2.447	58	-41	F0:2F:74:57:DB:B0	192.168.50.144	04:f0:21:66:be:c9

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	124.724 Mbps	261.642 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan0--1.0.0-A	19.964 Kbps	10.134 Mbps	34	17258	1,183	1,247	2	12.110	0
cv_udp-1.3-1.wlan0--1.0.0-B	11.384 Mbps	19.132 Kbps	19636	33	64	1,247	54	2.941	0
cv_udp-1.3-1.sta01000--1.0.0-A	19.712 Kbps	10.269 Mbps	34	17712	1,196	1,314	1	11.058	0
cv_udp-1.3-1.sta01000--1.0.0-B	11.598 Mbps	18.054 Kbps	19914	31	118	1,314	106	8.824	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.831 Kbps	8.66 Mbps	34	14848	3,347	3,436	3	25.432	0
cv_udp-1.3-1.sta01001--1.0.0-B	11.597 Mbps	19.219 Kbps	19912	33	89	3,436	62	2.941	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.73 Kbps	10.279 Mbps	34	17713	1,199	1,337	1	11.048	0
cv_udp-1.3-1.sta01002--1.0.0-B	11.598 Mbps	19.219 Kbps	19913	33	138	1,337	96	0	0
cv_udp-1.3-1.sta01003--1.0.0-A	19.672 Kbps	10.166 Mbps	34	17569	1,136	1,208	0	11.771	0
cv_udp-1.3-1.sta01003--1.0.0-B	11.535 Mbps	19.116 Kbps	19913	33	72	1,208	53	2.941	0
cv_udp-1.3-1.sta01500--1.0.0-A	19.599 Kbps	9.975 Mbps	34	17303	1,156	1,268	1	14.303	0
cv_udp-1.3-1.sta01500--1.0.0-B	11.652 Mbps	19.62 Kbps	20191	34	112	1,268	77	0	0
cv_udp-1.3-1.sta01501--1.0.0-A	20.085 Kbps	9.728 Mbps	35	16951	1,174	1,287	3	16.870	0
cv_udp-1.3-1.sta01501--1.0.0-B	11.826 Mbps	19.719 Kbps	20391	34	113	1,287	81	0	0
cv_udp-1.3-1.sta01502--1.0.0-A	20.019 Kbps	10.183 Mbps	35	17802	1,245	1,371	1	13.127	0
cv_udp-1.3-1.sta01502--1.0.0-B	11.855 Mbps	19.669 Kbps	20492	34	126	1,371	94	0	0
cv_udp-1.3-1.sta01503--1.0.0-A	19.97 Kbps	9.866 Mbps	35	17291	1,051	1,163	3	15.621	0
cv_udp-1.3-1.sta01503--1.0.0-B	11.855 Mbps	19.669 Kbps	20492	34	112	1,163	86	0	0
cv_udp-1.3-1.sta01504--1.0.0-A	19.879 Kbps	9.804 Mbps	35	17260	958	1,074	2	16.181	0
cv_udp-1.3-1.sta01504--1.0.0-B	11.845 Mbps	19.557 Kbps	20592	34	116	1,074	84	0	0
cv_udp-1.3-1.sta02000--1.0.0-A	19.841 Kbps	10.063 Mbps	35	17751	928	1,039	2	13.270	0
cv_udp-1.3-1.sta02000--1.0.0-B	11.855 Mbps	19.693 Kbps	20467	34	111	1,039	90	0	0
cv_udp-1.3-1.sta02001--1.0.0-A	19.909 Kbps	10.22 Mbps	35	17966	970	1,094	2	13.279	0
cv_udp-1.3-1.sta02001--1.0.0-B	11.787 Mbps	18.774 Kbps	20717	33	124	1,094	88	5.714	0
cv_udp-1.3-1.sta02002--1.0.0-A	19.814 Kbps	9.934 Mbps	35	17548	679	834	1	15.505	0
cv_udp-1.3-1.sta02002--1.0.0-B	11.795 Mbps	19.878 Kbps	20768	35	155	834	132	0	0
cv_udp-1.3-1.sta02003--1.0.0-A	19.716 Kbps	10.108 Mbps	35	17943	719	821	2	13.603	0
cv_udp-1.3-1.sta02003--1.0.0-B	11.795 Mbps	19.31 Kbps	20768	34	102	821	75	0	0
cv_udp-1.3-1.sta02004--1.0.0-A	19.652 Kbps	10.153 Mbps	35	18082	640	761	1	14.181	0
cv_udp-1.3-1.sta02004--1.0.0-B	11.844 Mbps	19.674 Kbps	21070	35	121	761	100	0	0
cv_udp-1.3-1.sta02005--1.0.0-A	19.55 Kbps	10.043 Mbps	35	17979	587	714	1	13.848	0
cv_udp-1.3-1.sta02005--1.0.0-B	11.885 Mbps	19.932 Kbps	20869	35	127	714	85	0	0
cv_udp-1.3-1.sta02006--1.0.0-A	19.943 Kbps	10.163 Mbps	36	18344	484	608	1	12.942	0
cv_udp-1.3-1.sta02006--1.0.0-B	11.845 Mbps	19.674 Kbps	21071	35	124	608	76	0	0
cv_udp-1.3-1.sta02007--1.0.0-A	19.865 Kbps	10.11 Mbps	36	18321	526	648	1	13.047	0
cv_udp-1.3-1.sta02007--1.0.0-B	11.844 Mbps	19.674 Kbps	21070	35	122	648	67	0	0
cv_udp-1.3-1.sta02008--1.0.0-A	19.808 Kbps	10.185 Mbps	36	18510	471	595	1	12.154	0
cv_udp-1.3-1.sta02008--1.0.0-B	11.845 Mbps	19.674 Kbps	21071	35	124	595	70	0	0
cv_udp-1.3-1.sta02009--1.0.0-A	19.707 Kbps	9.945 Mbps	36	18167	468	622	1	14.552	0
cv_udp-1.3-1.sta02009--1.0.0-B	11.807 Mbps	19.437 Kbps	21261	35	154	622	82	0	0

Throughput for each Station, configuration: 2.4Ghz. This indicates how fair is the AP. Station count: 20

Throughput for each Station: 2.4Ghz



Capacity Test [1] 2.4Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 32 5Ghz STA: 0

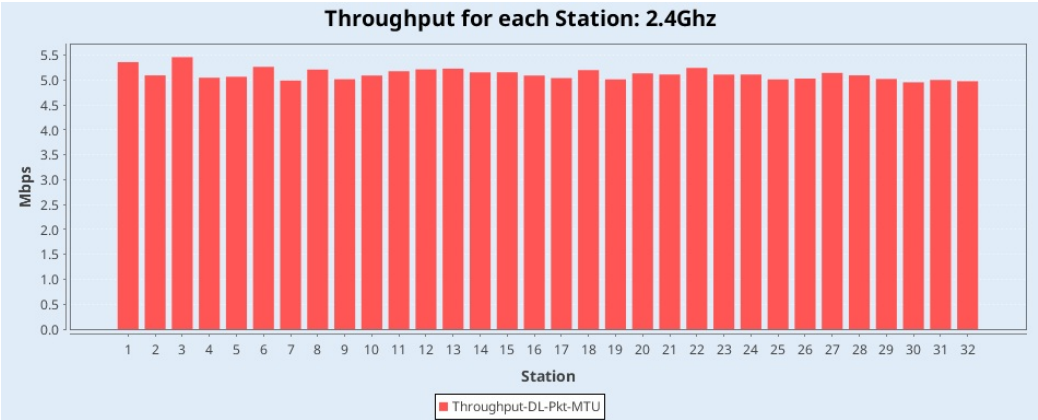
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan0	15.153 Kbps	4.422 Mbps	9.209	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	59	-41	F0:2F:74:57:DB:B0	192.168.50.151	04:f0:21:66:90:c9
1.1.14 sta01000	19.543 Kbps	4.834 Mbps	7.43	117 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	50	-37	F0:2F:74:57:DB:B0	192.168.50.92	04:f0:21:66:99:c9
1.1.15 sta01001	21.785 Kbps	4.513 Mbps	5.905	156 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	52	-43	F0:2F:74:57:DB:B0	192.168.50.168	04:f0:21:66:aa:c9
1.1.16 sta01002	14.921 Kbps	4.836 Mbps	8.866	86.7 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	54	-37	F0:2F:74:57:DB:B0	192.168.50.27	04:f0:21:66:a7:c9
1.1.17 sta01003	15.486 Kbps	4.843 Mbps	0.515	86.7 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	59	-38	F0:2F:74:57:DB:B0	192.168.50.239	04:f0:21:66:97:c9
1.1.25 sta01500	10.677 Kbps	2.945 Mbps	0	104 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	57	-38	F0:2F:74:57:DB:B0	192.168.50.174	04:f0:21:66:a5:c9
1.1.26 sta01501	11.923 Kbps	4.011 Mbps	3.106	104 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	54	-39	F0:2F:74:57:DB:B0	192.168.50.16	04:f0:21:66:88:c9
1.1.27 sta01502	11.284 Kbps	4.229 Mbps	0.382	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	50	-40	F0:2F:74:57:DB:B0	192.168.50.45	04:f0:21:66:98:c9
1.1.28 sta01503	13.612 Kbps	4.207 Mbps	0	175.5 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	59	-37	F0:2F:74:57:DB:B0	192.168.50.150	04:f0:21:66:b9:c9
1.1.29 sta01504	13.041 Kbps	4.18 Mbps	0.935	78 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	54	-38	F0:2F:74:57:DB:B0	192.168.50.227	04:f0:21:66:a1:c9
1.1.35 sta02000	15.852 Kbps	3.037 Mbps	2.727	117 Mbps	1 Mbps	802.11bgn-AC 20 4x4	2,447	59	-40	F0:2F:74:57:DB:B0	192.168.50.51	04:f0:21:66:93:c9
1.1.36 sta02001	16.82 Kbps	3.052 Mbps	10.526	117 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	58	-41	F0:2F:74:57:DB:B0	192.168.50.97	04:f0:21:66:bd:c9
1.1.37 sta02002	12.239 Kbps	2.952 Mbps	0.606	175.5 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	70	-41	F0:2F:74:57:DB:B0	192.168.50.163	04:f0:21:66:86:c9
1.1.38 sta02003	16.82 Kbps	3.009 Mbps	2.609	115.6 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	47	-42	F0:2F:74:57:DB:B0	192.168.50.22	04:f0:21:66:83:c9
1.1.39 sta02004	13.138 Kbps	3.014 Mbps	0	130 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	53	-40	F0:2F:74:57:DB:B0	192.168.50.162	04:f0:21:66:af:c9
1.1.40 sta02005	9.719 Kbps	2.909 Mbps	0.746	175.5 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	55	-40	F0:2F:74:57:DB:B0	192.168.50.156	04:f0:21:66:b4:c9
1.1.41 sta02006	12.538 Kbps	2.644 Mbps	2.825	216.7 Mbps	289 Mbps	802.11bgn-AC 20 4x4	2,447	93	-37	F0:2F:74:57:DB:B0	192.168.50.203	04:f0:21:66:b5:c9
1.1.42 sta02007	9.468 Kbps	2.878 Mbps	0	86.7 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	43	-41	F0:2F:74:57:DB:B0	192.168.50.209	04:f0:21:66:b0:c9
1.1.43 sta02008	10.891 Kbps	2.844 Mbps	1.325	78 Mbps	1 Mbps	802.11bgn-AC 20 4x4	2,447	65	-37	F0:2F:74:57:DB:B0	192.168.50.122	04:f0:21:66:80:c9
1.1.44 sta02009	11.265 Kbps	2.986 Mbps	0	156 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	58	-40	F0:2F:74:57:DB:B0	192.168.50.144	04:f0:21:66:be:c9
1.1.55 sta02500	9.234 Kbps	2.551 Mbps	0	144.4 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	49	-41	F0:2F:74:57:DB:B0	192.168.50.169	04:f0:21:66:81:c9
1.1.56 sta02501	9.737 Kbps	2.591 Mbps	9.091	115.6 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	55	-42	F0:2F:74:57:DB:B0	192.168.50.62	04:f0:21:66:b2:c9
1.1.57 sta02502	9.513 Kbps	2.575 Mbps	0	115.6 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	52	-41	F0:2F:74:57:DB:B0	192.168.50.21	04:f0:21:66:ac:c9
1.1.58 sta02503	9.74 Kbps	2.554 Mbps	0	173.3 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	54	-41	F0:2F:74:57:DB:B0	192.168.50.244	04:f0:21:66:bb:c9
1.1.59 sta02504	9.671 Kbps	2.578 Mbps	0	130 Mbps	346.7 Mbps	802.11bgn-AC 20 4x4	2,447	58	-42	F0:2F:74:57:DB:B0	192.168.50.204	04:f0:21:66:8c:c9
1.1.60 sta02505	9.777 Kbps	2.565 Mbps	0	175.5 Mbps	234 Mbps	802.11bgn-AC 20 4x4	2,447	47	-41	F0:2F:74:57:DB:B0	192.168.50.15	04:f0:21:66:b1:c9
1.1.61 sta02506	9.642 Kbps	2.555 Mbps	0	86.7 Mbps	312 Mbps	802.11bgn-AC 20 4x4	2,447	60	-41	F0:2F:74:57:DB:B0	192.168.50.110	04:f0:21:66:8a:c9
1.1.62						802.11bgn-						



cv_udp-1.3-1.sta02508--1.0.0-A	20.073 Kbps	5.046 Mbps	37	9301	88	268	1	28.498	0
cv_udp-1.3-1.sta02508--1.0.0-B	7.413 Mbps	19.945 Kbps	13008	35	180	268	163	0	0
cv_udp-1.3-1.sta02509--1.0.0-A	19.987 Kbps	4.963 Mbps	37	9187	108	276	2	29.849	0
cv_udp-1.3-1.sta02509--1.0.0-B	7.398 Mbps	20.337 Kbps	13096	36	168	276	104	0	0
cv_udp-1.3-1.sta02510--1.0.0-A	19.943 Kbps	5.02 Mbps	37	9313	114	334	2	28.881	0
cv_udp-1.3-1.sta02510--1.0.0-B	7.398 Mbps	20.902 Kbps	13095	37	220	334	126	0	0
cv_udp-1.3-1.sta02511--1.0.0-A	19.885 Kbps	4.988 Mbps	37	9280	101	253	1	29.139	0
cv_udp-1.3-1.sta02511--1.0.0-B	7.398 Mbps	20.337 Kbps	13096	36	152	253	70	0	0

Throughput for each Station, configuration: 2.4Ghz. This indicates how fair is the AP. Station count: 32

Throughput for each Station: 2.4Ghz



Capacity Test [1] 5Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 0 5Ghz STA: 1

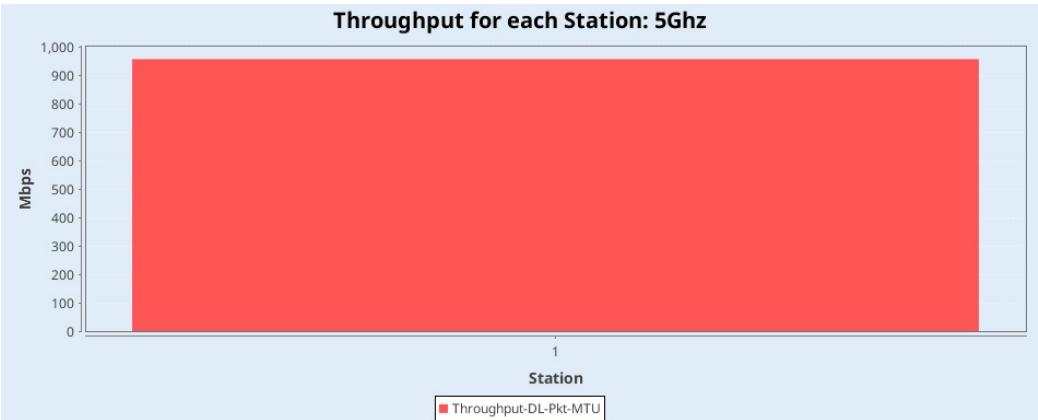
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan2	13.136 Kbps	614.237 Mbps	31.579	1361.2 Mbps	1.921 Gbps	802.11an-AX 80 4x4	5,260	32	-29	F0:2F:74:57:DB:B4	192.168.50.111	00:0a:52:07:33:c4

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	456.941 Mbps	255.171 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan2--1.0.0-A	19.995 Kbps	958.371 Mbps	34	1629616	24	27	19	0	13.295
cv_udp-1.3-1.wlan2--1.0.0-B	964.96 Mbps	20.359 Kbps	1516680	32	3	27	2	0	0

Throughput for each Station, configuration: 5Ghz. This indicates how fair is the AP. Station count: 1

Throughput for each Station: 5Ghz



Capacity Test [1] 5Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 0 5Ghz STA: 5

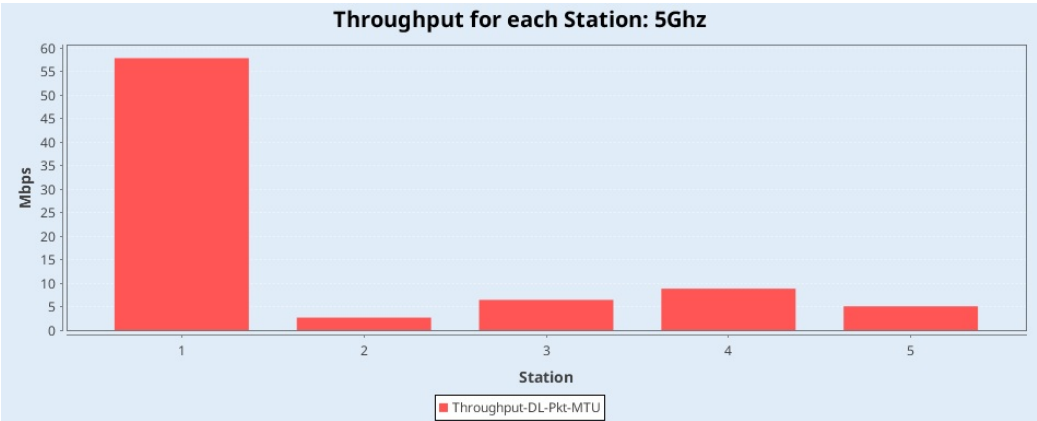
Port	Tx-Bps 1m	Rx-Bps 1m	Tx-Fail %	Tx Link-Rate	Rx Link-Rate	Mode	Channel	Last CX-Time (ms)	RSSI (dBm)	AP	IP	MAC
1.1.12 wlan2	18.497 Kbps	336.404 Mbps	24.308	1633.5 Mbps	1.441 Gbps	802.11an-AX 80 4x4	5,260	32	-31	F0:2F:74:57:DB:B4	192.168.50.111	00:0a:52:07:33:c4
1.1.14 sta01000	9.087 Kbps	2.956 Mbps	38.144	1184.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	34	-31	F0:2F:74:57:DB:B4	192.168.50.65	00:0a:52:07:09:c4
1.1.15 sta01001	8.529 Kbps	5.056 Mbps	42.424	1184.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	43	-30	F0:2F:74:57:DB:B4	192.168.50.94	00:0a:52:07:19:c4
1.1.16 sta01002	11.246 Kbps	5.697 Mbps	36.893	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	83	-32	F0:2F:74:57:DB:B4	192.168.50.165	00:0a:52:07:06:c4
1.1.17 sta01003	10.522 Kbps	5.013 Mbps	43.86	2041.2 Mbps	102 Mbps	802.11an-AX 80 4x4	5,260	48	-30	F0:2F:74:57:DB:B4	192.168.50.59	00:0a:52:07:0e:c4

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	499.805 Mbps	170.055 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan2--1.0.0-A	19.982 Kbps	57.981 Mbps	34	98653	505	584	0	74.509	22.697
cv_udp-1.3-1.wlan2--1.0.0-B	168.228 Mbps	19.137 Kbps	263703	30	79	584	83	0	0
cv_udp-1.3-1.sta01000--1.0.0-A	19.933 Kbps	2.671 Mbps	34	4556	11,234	11,301	9	98.675	15.255
cv_udp-1.3-1.sta01000--1.0.0-B	214.658 Mbps	11.235 Kbps	343881	18	67	11,301	52	41.176	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.876 Kbps	6.434 Mbps	34	11006	5,180	5,296	22	95.962	23.478
cv_udp-1.3-1.sta01001--1.0.0-B	173.153 Mbps	10.163 Kbps	272574	16	116	5,296	86	41.176	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.942 Kbps	8.882 Mbps	34	15142	3,577	3,692	14	100.000	14.556
cv_udp-1.3-1.sta01002--1.0.0-B	205.365 Mbps	18.915 Kbps	325697	30	115	3,692	106	0	0
cv_udp-1.3-1.sta01003--1.0.0-A	19.836 Kbps	5.101 Mbps	34	8744	3,227	3,324	3	100.000	22.129
cv_udp-1.3-1.sta01003--1.0.0-B	174.056 Mbps	14.575 Kbps	274658	23	97	3,324	76	23.529	0

Throughput for each Station, configuration: 5Ghz. This indicates how fair is the AP. Station count: 5

Throughput for each Station: 5Ghz



Capacity Test [1] 5Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 0 5Ghz STA: 10

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
1.1.12 wlan2	30.972 Kbps	20.348 Mbps	20.817	1020.9 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	32	-32	F0:2F:74:57:DB:B4	192.168.50.111	00:0a:52:07:33:c4
1.1.14 sta01000	16.465 Kbps	1.937 Mbps	23.611	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	34	-31	F0:2F:74:57:DB:B4	192.168.50.65	00:0a:52:07:09:c4
1.1.15 sta01001	16.206 Kbps	2.977 Mbps	26.542	1184.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	43	-30	F0:2F:74:57:DB:B4	192.168.50.94	00:0a:52:07:19:c4

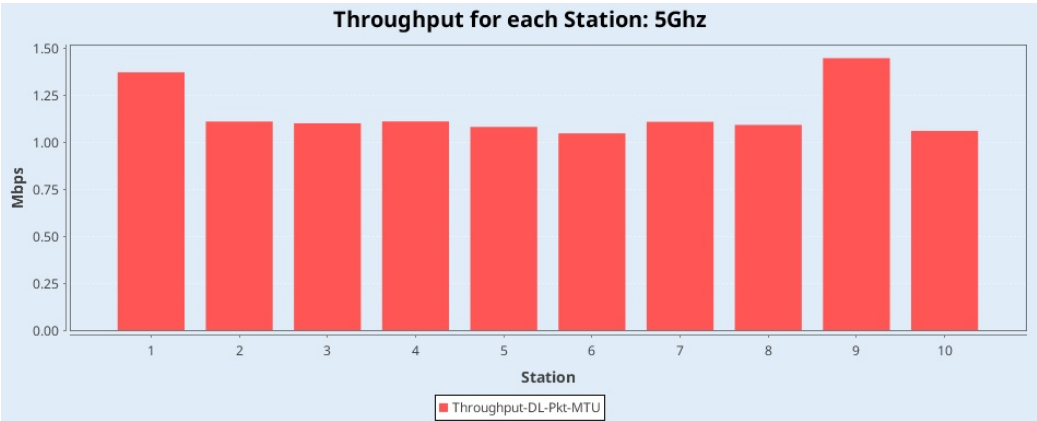
1.1.16 sta01002	30.921 Kbps	3.329 Mbps	30.943	1088.7 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	83	-31	F0:2F:74:57:DB:B4	192.168.50.165	00:0a:52:07:06:c4
1.1.17 sta01003	17.386 Kbps	3.04 Mbps	38.846	1020.9 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	48	-31	F0:2F:74:57:DB:B4	192.168.50.59	00:0a:52:07:0e:c4
1.1.25 sta01500	10.246 Kbps	1.014 Mbps	54.61	1088.7 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	70	-31	F0:2F:74:57:DB:B4	192.168.50.193	00:0a:52:07:3f:c4
1.1.26 sta01501	10.251 Kbps	1.326 Mbps	45.763	1020.9 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	109	-31	F0:2F:74:57:DB:B4	192.168.50.194	00:0a:52:07:16:c4
1.1.27 sta01502	10.231 Kbps	1.004 Mbps	50.794	1020.9 Mbps	36 Mbps	802.11an- AX 80 4x4	5.260	98	-31	F0:2F:74:57:DB:B4	192.168.50.206	00:0a:52:07:0c:c4
1.1.28 sta01503	10.445 Kbps	1.052 Mbps	40.541	1088.7 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	121	-31	F0:2F:74:57:DB:B4	192.168.50.212	00:0a:52:07:07:c4
1.1.29 sta01504	10.475 Kbps	869.683 Kbps	28.09	1020.9 Mbps	34 Mbps	802.11an- AX 80 4x4	5.260	79	-31	F0:2F:74:57:DB:B4	192.168.50.82	00:0a:52:07:23:c4

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	568.803 Mbps	111.411 Kbps	1 Gbps	192.168.50.42	9c:69:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan2--1.0.0-A	20.06 Kbps	1.383 Mbps	34	2344	164	201	36	88.836	17.363
cv_udp-1.3-1.wlan2--1.0.0-B	99.093 Mbps	19.711 Kbps	170920	34	37	201	50	0	0
cv_udp-1.3-1.sta01000--1.0.0-A	20.037 Kbps	1.119 Mbps	34	1898	24.353	24.460	27	98.779	6.691
cv_udp-1.3-1.sta01000--1.0.0-B	97.802 Mbps	20.14 Kbps	155392	32	107	24.460	113	0	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.977 Kbps	1.108 Mbps	34	1885	24.987	25.066	31	98.797	8.700
cv_udp-1.3-1.sta01001--1.0.0-B	98.631 Mbps	19.51 Kbps	156709	31	79	25.066	111	0	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.91 Kbps	1.117 Mbps	34	1907	24.306	24.428	38	98.782	8.233
cv_udp-1.3-1.sta01002--1.0.0-B	97.862 Mbps	18.748 Kbps	156588	30	122	24.428	127	2.941	0
cv_udp-1.3-1.sta01003--1.0.0-A	19.804 Kbps	1.086 Mbps	34	1865	22.728	22.830	21	98.821	10.241
cv_udp-1.3-1.sta01003--1.0.0-B	98.901 Mbps	19.998 Kbps	158249	32	102	22.830	128	0	0
cv_udp-1.3-1.sta01500--1.0.0-A	19.769 Kbps	1.051 Mbps	34	1807	11.525	11.660	23	98.841	15.274
cv_udp-1.3-1.sta01500--1.0.0-B	97.586 Mbps	20.023 Kbps	155956	32	135	11.660	137	0	0
cv_udp-1.3-1.sta01501--1.0.0-A	19.672 Kbps	1.111 Mbps	34	1920	3.936	4.066	14	98.790	14.479
cv_udp-1.3-1.sta01501--1.0.0-B	99.291 Mbps	20.023 Kbps	158681	32	130	4.066	129	0	0
cv_udp-1.3-1.sta01502--1.0.0-A	19.607 Kbps	1.093 Mbps	34	1896	5.184	5.338	24	100.000	14.504
cv_udp-1.3-1.sta01502--1.0.0-B	94.217 Mbps	19.575 Kbps	149200	31	154	5.338	148	0	0
cv_udp-1.3-1.sta01503--1.0.0-A	19.503 Kbps	1.448 Mbps	34	2524	10.724	10.854	19	100.000	15.650
cv_udp-1.3-1.sta01503--1.0.0-B	95.266 Mbps	19.575 Kbps	150861	31	130	10.854	106	0	0
cv_udp-1.3-1.sta01504--1.0.0-A	19.61 Kbps	1.068 Mbps	34	1852	9.637	9.748	50	100.000	14.471
cv_udp-1.3-1.sta01504--1.0.0-B	93.862 Mbps	19.575 Kbps	148638	31	111	9.748	94	0	0

Throughput for each Station, configuration: 5Ghz. This indicates how fair is the AP. Station count: 10

Throughput for each Station: 5Ghz



Capacity Test [1] 5Ghz\_Pkt-MTU\_DL: Snapshot 2.4Ghz STA: 0 5Ghz STA: 19

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
1.1.12 wlan2	15.627 Kbps	974.972 Kbps	22.094	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	32	-32	F0:2F:74:57:DB:B4	192.168.50.111	00:0a:52:07:33:c4
1.1.14 sta01000	36.473 Kbps	326.215 Kbps	24.829	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	34	-36	F0:2F:74:57:DB:B4	192.168.50.65	00:0a:52:07:09:c4
1.1.15 sta01001	91.744 Kbps	564.575 Kbps	18.232	340.3 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	43	-33	F0:2F:74:57:DB:B4	192.168.50.94	00:0a:52:07:19:c4
1.1.16 sta01002	78.885 Kbps	534.643 Kbps	24.212	1184.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	83	-32	F0:2F:74:57:DB:B4	192.168.50.165	00:0a:52:07:06:c4
1.1.17 sta01003	96.821 Kbps	632.739 Kbps	22.288	816.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	48	-33	F0:2F:74:57:DB:B4	192.168.50.59	00:0a:52:07:0e:c4
1.1.25 sta01500	55.299 Kbps	678.718 Kbps	23.708	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	70	-32	F0:2F:74:57:DB:B4	192.168.50.193	00:0a:52:07:3f:c4
1.1.26 sta01501	19.895 Kbps	181.733 Kbps	22.04	1134.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	109	-34	F0:2F:74:57:DB:B4	192.168.50.194	00:0a:52:07:16:c4
1.1.27 sta01502	24.506 Kbps	219.805 Kbps	27.097	1633.5 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	98	-32	F0:2F:74:57:DB:B4	192.168.50.206	00:0a:52:07:0c:c4
1.1.28 sta01503	71.09 Kbps	308.832 Kbps	29.54	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	121	-34	F0:2F:74:57:DB:B4	192.168.50.212	00:0a:52:07:07:c4
1.1.29 sta01504	64.977 Kbps	305.105 Kbps	21.113	1020.9 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	79	-33	F0:2F:74:57:DB:B4	192.168.50.82	00:0a:52:07:23:c4
1.1.35 sta02000	10.009 Kbps	247.119 Kbps	39.535	1134.2 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	93	-33	F0:2F:74:57:DB:B4	192.168.50.123	00:0a:52:07:29:c4
1.1.36 sta02001	10.237 Kbps	154.197 Kbps	47.17	204.1 Mbps	36 Mbps	802.11an-AX 80 4x4	5,260	157	-33	F0:2F:74:57:DB:B4	192.168.50.58	00:0a:52:07:37:c4
1.1.37 sta02002	10.022 Kbps	187.307 Kbps	27.103	1088.7 Mbps	36 Mbps	802.11an-AX 80 4x4	5,260	72	-32	F0:2F:74:57:DB:B4	192.168.50.182	00:0a:52:07:20:c4
1.1.38 sta02003	9.997 Kbps	164.856 Kbps	35.246	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	109	-32	F0:2F:74:57:DB:B4	192.168.50.29	00:0a:52:07:27:c4
1.1.39 sta02004	10.001 Kbps	153.129 Kbps	36.29	816.6 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	120	-33	F0:2F:74:57:DB:B4	192.168.50.153	00:0a:52:07:10:c4
1.1.40 sta02005	9.988 Kbps	160.848 Kbps	38.71	204.1 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	88	-33	F0:2F:74:57:DB:B4	192.168.50.24	00:0a:52:07:03:c4
1.1.41 sta02006	10.091 Kbps	163.03 Kbps	36	1088.7 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	88	-32	F0:2F:74:57:DB:B4	192.168.50.71	00:0a:52:07:04:c4
1.1.42 sta02007	9.955 Kbps	154.392 Kbps	40.157	1020.9 Mbps	34 Mbps	802.11an-AX 80 4x4	5,260	109	-32	F0:2F:74:57:DB:B4	192.168.50.106	00:0a:52:07:0f:c4
1.1.43 sta02008	10.069 Kbps	101.645 Kbps	36.719	1020.9 Mbps	68 Mbps	802.11an-AX 80 4x4	5,260	279	-32	F0:2F:74:57:DB:B4	192.168.50.47	00:0a:52:07:18:c4

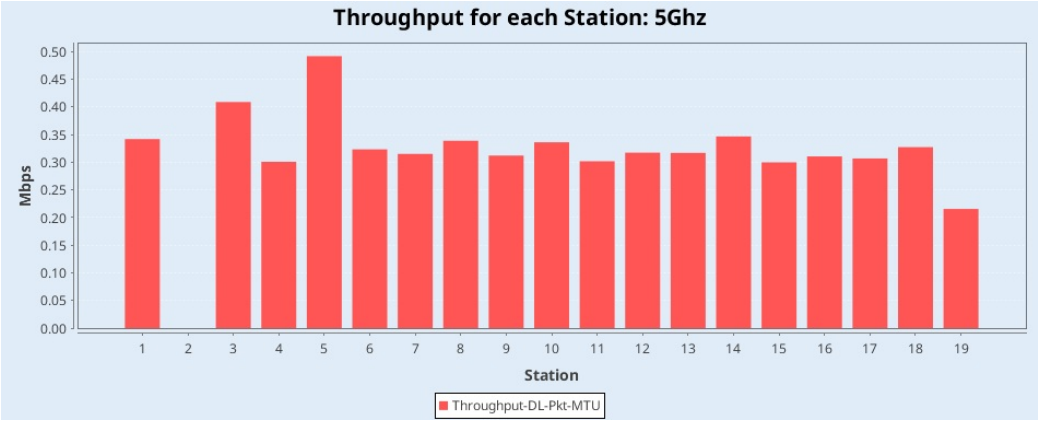
Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	474.056 Mbps	495.388 Kbps	1 Gbps	192.168.50.42	9c:c6:9b:b4:63:16:af

Endpoint	Tx-Bps 1m	Rx-Bps 1m	TxPkts	RxPkts	RX Latency (ms)	Round-Trip Latency (ms)	Jitter	Rx Packet Loss %	Rx OOO %
cv_udp-1.3-1.wlan2--1.0.0-A	19.955 Kbps	342.774 Kbps	34	584	24,913	25,123	48	87.833	3.425
cv_udp-1.3-1.wlan2--1.0.0-B	51.079 Mbps	19.816 Kbps	87640	34	210	25,123	252	0	0
cv_udp-1.3-1.sta01000--1.0.0-A	19.913 Kbps	0 bps	34	0	0	0	0	100.000	0
cv_udp-1.3-1.sta01000--1.0.0-B	58.163 Mbps	0 bps	100497	0	0	0	0	100.000	0
cv_udp-1.3-1.sta01001--1.0.0-A	19.618 Kbps	410.845 Kbps	34	712	27,884	28,144	33	99.193	0
cv_udp-1.3-1.sta01001--1.0.0-B	51.046 Mbps	19.678 Kbps	88195	34	260	28,144	293	0	0
cv_udp-1.3-1.sta01002--1.0.0-A	19.55 Kbps	301.308 Kbps	34	524	26,912	27,213	28	89.345	0
cv_udp-1.3-1.sta01002--1.0.0-B	56.221 Mbps	18.889 Kbps	98216	33	301	27,213	301	2.941	0
cv_udp-1.3-1.sta01003--1.0.0-A	20.037 Kbps	492.925 Kbps	35	861	25,917	26,354	57	99.024	2.091
cv_udp-1.3-1.sta01003--1.0.0-B	50.497 Mbps	19.461 Kbps	88218	34	437	26,354	434	2.857	0
cv_udp-1.3-1.sta01500--1.0.0-A	19.972 Kbps	322.983 Kbps	35	566	27,176	27,450	32	99.433	0
cv_udp-1.3-1.sta01500--1.0.0-B	57.125 Mbps	19.453 Kbps	99838	34	274	27,450	254	2.857	0
cv_udp-1.3-1.sta01501--1.0.0-A	19.924 Kbps	315.378 Kbps	35	554	27,227	27,531	39	99.379	0
cv_udp-1.3-1.sta01501--1.0.0-B	51.043 Mbps	18.882 Kbps	89204	33	304	27,531	253	5.714	0
cv_udp-1.3-1.sta01502--1.0.0-A	19.827 Kbps	338.769 Kbps	35	598	27,434	27,771	34	99.397	0
cv_udp-1.3-1.sta01502--1.0.0-B	56.708 Mbps	19.453 Kbps	99111	34	337	27,771	346	2.857	0
cv_udp-1.3-1.sta01503--1.0.0-A	19.934 Kbps	313.827 Kbps	35	551	27,262	27,592	28	99.380	0

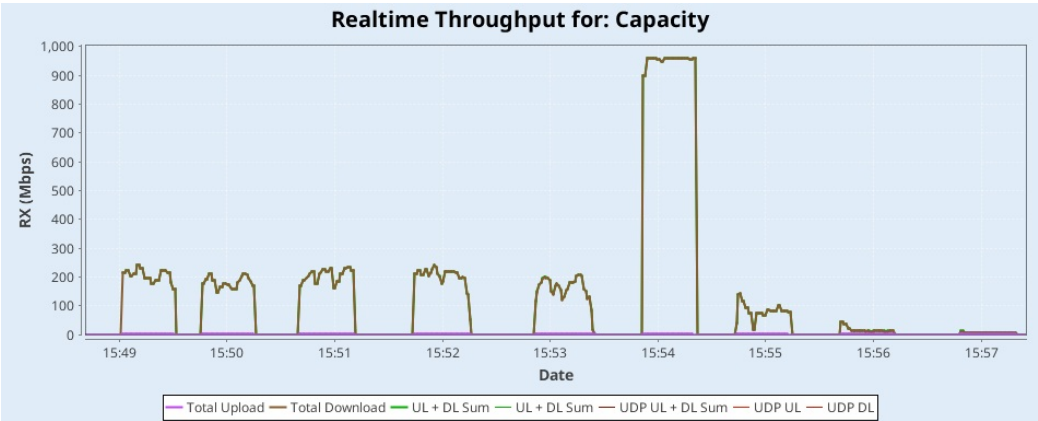
cv_udp-1.3-1.sta01503--1.0.0-B	50.871 Mbps	18.882 Kbps	88904	33	330	27.592	279	0	0
cv_udp-1.3-1.sta01504--1.0.0-A	19.814 Kbps	337.987 Kbps	35	597	27,519	27.839	34	99.400	0
cv_udp-1.3-1.sta01504--1.0.0-B	56.516 Mbps	18.758 Kbps	99421	33	320	27.839	268	5.714	0
cv_udp-1.3-1.sta02000--1.0.0-A	19.758 Kbps	303.155 Kbps	35	537	972	1,274	62	88.472	13.780
cv_udp-1.3-1.sta02000--1.0.0-B	50.966 Mbps	19.137 Kbps	90545	34	302	1,274	272	2.857	0
cv_udp-1.3-1.sta02001--1.0.0-A	19.699 Kbps	318.011 Kbps	35	565	1,912	2,297	47	99.431	8.142
cv_udp-1.3-1.sta02001--1.0.0-B	56.587 Mbps	19.959 Kbps	99228	35	385	2,297	286	0	0
cv_udp-1.3-1.sta02002--1.0.0-A	19.605 Kbps	317.617 Kbps	35	567	1,465	1,808	68	99.370	12.875
cv_udp-1.3-1.sta02002--1.0.0-B	50.621 Mbps	19.699 Kbps	89936	35	343	1,808	312	0	0
cv_udp-1.3-1.sta02003--1.0.0-A	19.52 Kbps	347.459 Kbps	35	623	2,374	2,677	47	99.372	10.754
cv_udp-1.3-1.sta02003--1.0.0-B	56.586 Mbps	19.959 Kbps	99226	35	303	2,677	272	0	0
cv_udp-1.3-1.sta02004--1.0.0-A	20.063 Kbps	302.073 Kbps	36	542	339	816	69	99.400	12.362
cv_udp-1.3-1.sta02004--1.0.0-B	50.876 Mbps	19.699 Kbps	90390	35	477	816	358	0	0
cv_udp-1.3-1.sta02005--1.0.0-A	19.969 Kbps	312.311 Kbps	36	563	3,255	3,598	60	99.437	9.591
cv_udp-1.3-1.sta02005--1.0.0-B	56.317 Mbps	19.7 Kbps	100051	35	343	3,598	355	0	0
cv_udp-1.3-1.sta02006--1.0.0-A	19.905 Kbps	307.989 Kbps	36	557	1,569	1,939	56	99.391	13.106
cv_udp-1.3-1.sta02006--1.0.0-B	51.487 Mbps	19.699 Kbps	91476	35	370	1,939	315	0	0
cv_udp-1.3-1.sta02007--1.0.0-A	19.811 Kbps	328.536 Kbps	36	597	808	1,191	91	99.405	7.873
cv_udp-1.3-1.sta02007--1.0.0-B	56.069 Mbps	19.014 Kbps	100258	34	383	1,191	337	2.778	0
cv_udp-1.3-1.sta02008--1.0.0-A	19.748 Kbps	216.138 Kbps	36	394	160	546	61	99.542	11.168
cv_udp-1.3-1.sta02008--1.0.0-B	49.031 Mbps	19.362 Kbps	86095	34	386	546	352	0	0

Throughput for each Station, configuration: 5Ghz. This indicates how fair is the AP. Station count: 20

Throughput for each Station: 5Ghz



Realtime Throughput for: Capacity



[Capacity Log](#)

[Key Performance Indicators CSV](#)

Test configuration and LANforge software version	
Auto-Helper	true
Skip 2.4Ghz Tests	false
Skip 5Ghz Tests	false
Skip 5Gzh-B Tests	true
Skip Dual-Band Tests	true
Skip Tri-Band Tests	true
Use BSSID	true
Set Radio TxPower to Default	true
Loop Iterations:	1
2.4Ghz Station Count:	32
5Ghz Station Count:	64
Dual-Band Station Count:	10
5Ghz-B Station Count:	64
Tri-Band Station Count:	64
Duration-20	20
Hunt Retries:	1
Maximum Hunt Iterations:	100
Multi-Conn	1
ToS	0
Upstream Port	1.1.3 eth3 Firmware: 0x80000aef, 1.1876.0 Resource: ct523c-2101
Stability Duration:	1 m
Concurrent Ports to Reset:	0
Minimum Time between Resets:	10000
Maximum Time between Resets:	60000
Long-Term Station Count:	2
VOIP Call Count:	1
Percent:	1000000
Open:	25
PSK:	60
Enterprise:	120

Stability stall threshold UDP Upload:	0
Stability stall threshold UDP Download:	768000
Stability stall threshold TCP Upload:	0
Stability stall threshold TCP Download:	0
Stability stall threshold Video:	0
Stability stall threshold VOIP:	0
Stability Helper Script:	
Stability Multicast Min Download Rate:	0
Stability Multicast Max Download Rate:	0
Stability UDP Min Download Rate:	1000000000
Stability UDP Max Download Rate:	0
Stability UDP Min Upload Rate:	0
Stability UDP Max Upload Rate:	0
Stability TCP Min Download Rate:	0
Stability TCP Max Download Rate:	0
Stability TCP Min Upload Rate:	0
Stability TCP Max Upload Rate:	0
2.4Ghz Legacy%	0
2.4Ghz N%	0
2.4Ghz AC%	0
2.4Ghz AX/AUTO%	100
5Ghz Legacy%	0
5Ghz N%	0
5Ghz AC%	0
5Ghz AX/AUTO%	100
Long-Term Duration:	1 h
Long-Term Graph Interval:	30
Long-Term Download Rate:	85%
Video Emulation Rate:	500000
Video Buffer Size:	500000
Long-Term Upload Rate:	85%
Use Packet Sizes	false
Reset Radios	false
Use Packet Sizes	false
Always expect 5g	false

Spatial Streams	AUTO
Bandwidth	AUTO
Modes	Auto
WiFi Radio 0	1.1.4 wiphy0 Firmware: 10.4b-ct-9984-xtH-14-f853d52e7a Resource: ct523c-2101
WiFi Radio 0	Resource: ct523c-2101
Show Events	true
Build Date	Mon 26 Sep 2022 02:56:23 PM PDT
Build Version	5.4.5
Git Version	87350330889a86988c8816a52d097f1ebba1d625

[CSV Data](#)

[META Information for Capacity Test](#)