

Report for: Wifi Capacity Test

Mon Feb 17 14:21:01 IST 2025

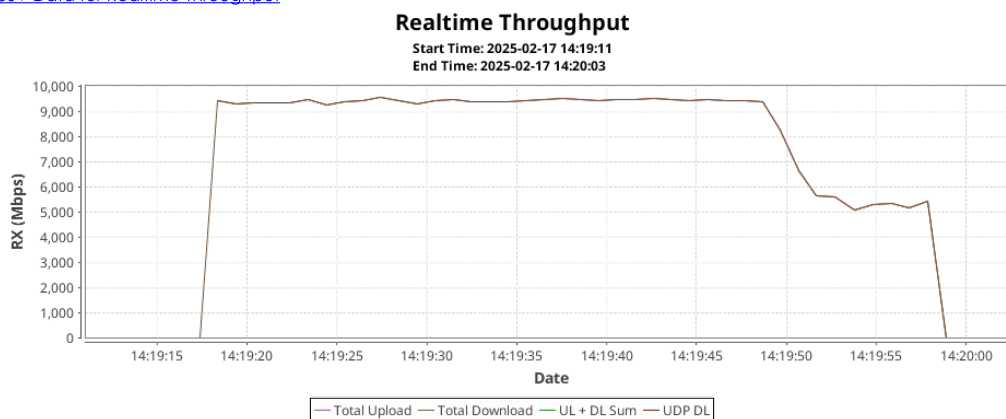


Objective

The Candela WiFi Capacity test is designed to measure performance of an Access Point when handling different amounts of WiFi Stations. The test allows the user to increase the number of stations in user defined steps for each test iteration and measure the per station and the overall throughput for each trial. Along with throughput other measurements made are client connection times, Fairness, % packet loss, DHCP times and more. The expected behavior is for the AP to be able to handle several stations (within the limitations of the AP specs) and make sure all stations get a fair amount of airtime both in the upstream and downstream. An AP that scales well will not show a significant over-all throughput decrease as more stations are added.

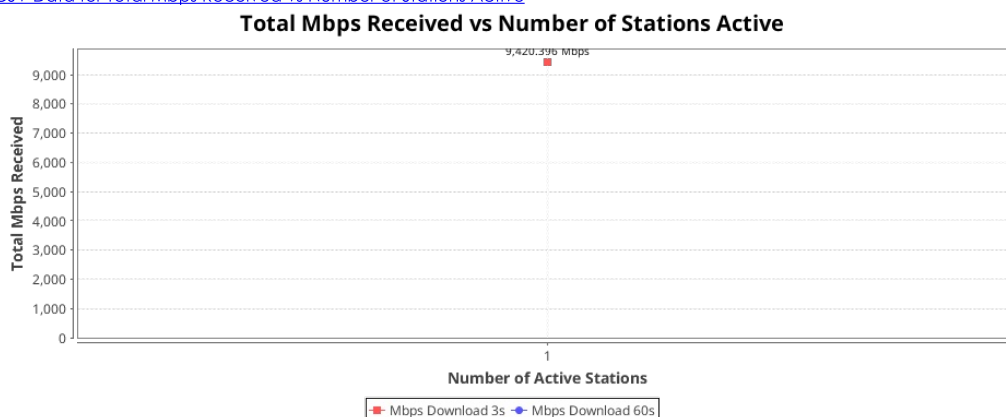
Realtime Graph shows summary download and upload RX Goodput rate of connections created by this test. Goodput does not include Ethernet, IP, UDP/TCP header overhead.

[CSV Data for Realtime Throughput](#)



Total Megabits-per-second transferred. This only counts the protocol payload, so it will not count the Ethernet, IP, UDP, TCP or other header overhead. A well behaving system will show about the same rate as stations increase. If the rate decreases significantly as stations increase, then it is not scaling we

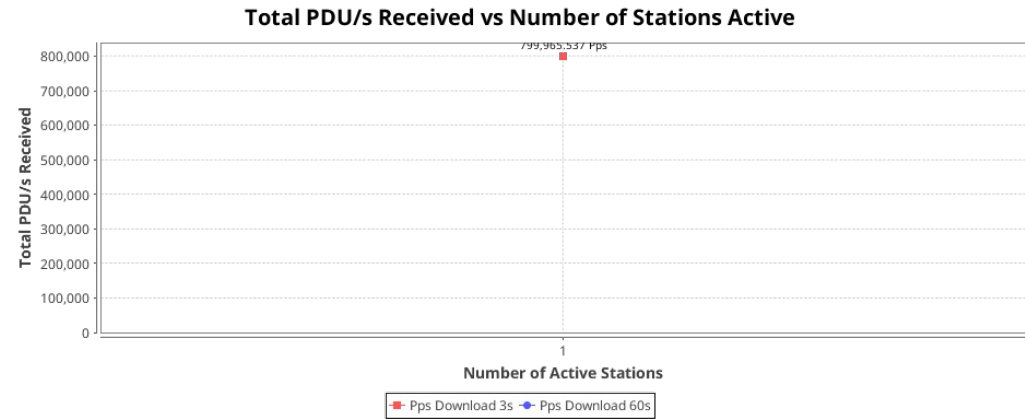
[CSV Data for Total Mbps Received vs Number of Stations Active](#)



Protocol-Data-Units received. For TCP, this does not mean much, but for UDP connections, this correlates to packet size. If the PDU size is larger than what fits into a single frame, then the network stack will

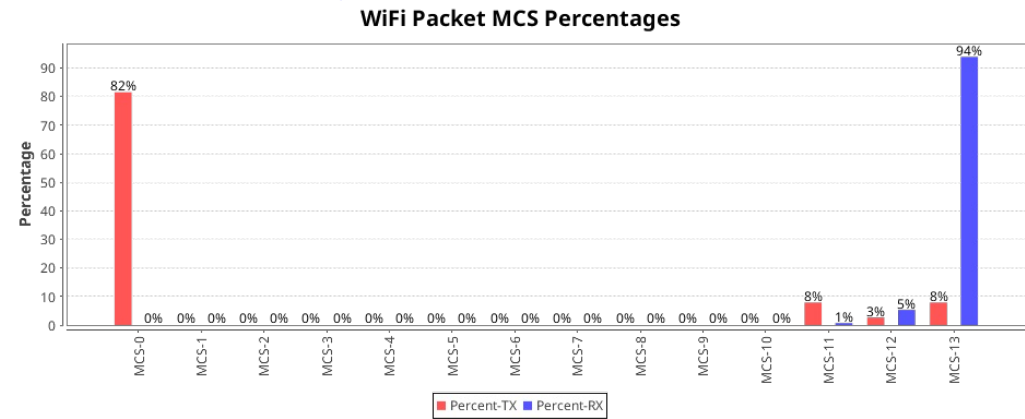
segment it accordingly. A well behaving system will show about the same rate as stations increase. If the rate decreases significantly as stations increase, then it is not scaling well.

[CSV Data for Total PDU/s Received vs Number of Stations Active](#)



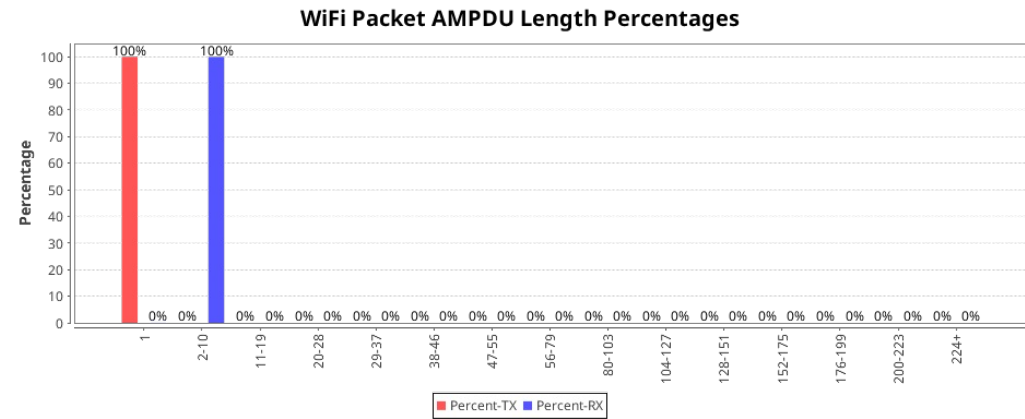
Histogram for WiFi MCS for packets sent and received by the wifi radios in the test.

[CSV Data for WiFi Packet MCS Percentages](#)



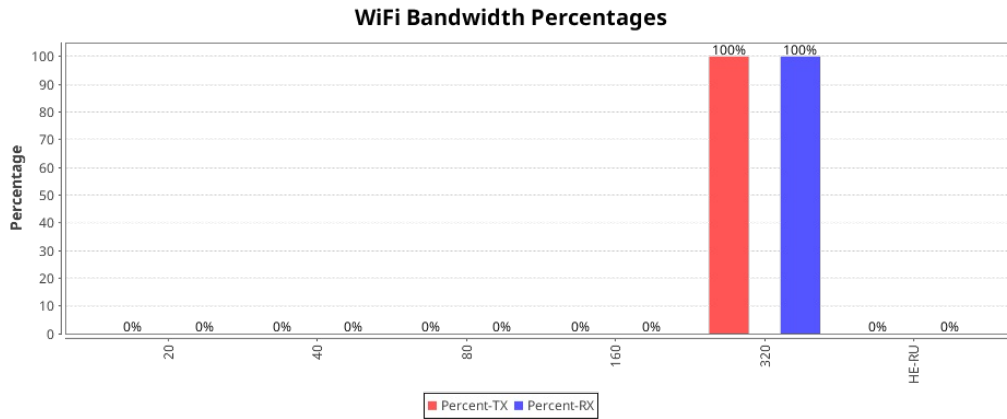
Block-Ack allows a series of frames to be sent in one transmit opportunity. This series of packets is known as a series of AMPDU frames. Having more frames in each AMPDU series normally improves throughput, but may increase latency or decrease airtime fairness. This histogram provides some visibility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

[CSV Data for WiFi Packet AMPDU Length Percentages](#)



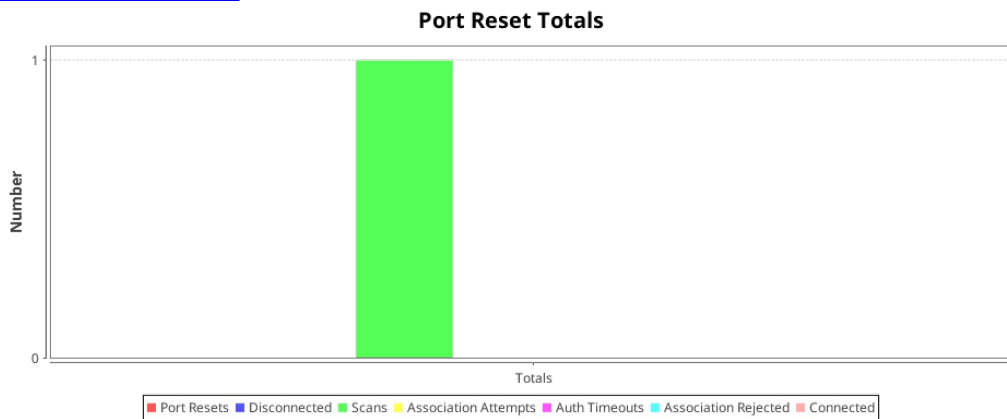
Histogram for WiFi bandwidths for packets sent and received by the wifi radios in the test.

[CSV Data for WiFi Bandwidth Percentages](#)



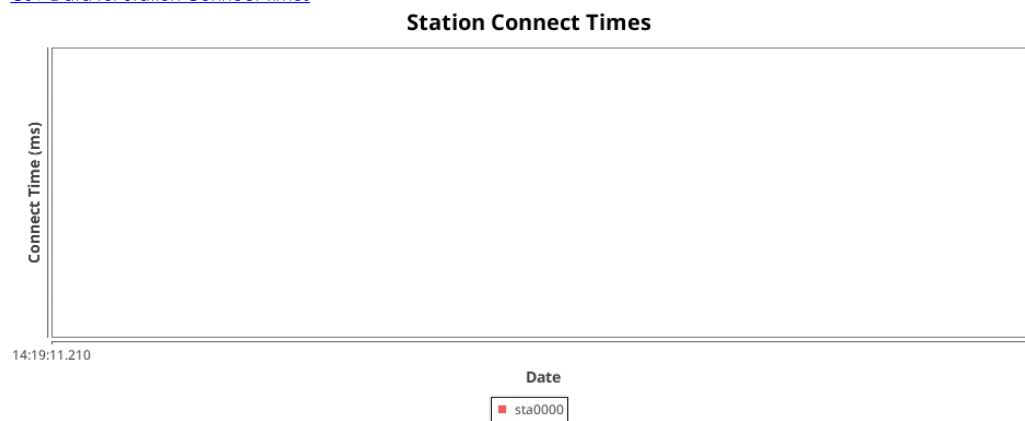
Station disconnect stats. These will be only for the last iteration. If the 'Clear Reset Counters' option is selected, the stats are cleared after the initial association. Any re-connects reported indicate a potential stability issue. Can be used for long-term stability testing in cases where you bring up all stations in one iteration and then run the test for a longer duration. Note: Port Resets shown in the graph happened after the initial association.

[CSV Data for Port Reset Totals](#)



Station connect time is calculated from the initial Authenticate message through the completion of Open or RSN association/authentication.

[CSV Data for Station Connect Times](#)



This measures the time it takes to complete the ANQP communication. This is used in Hot-Spot 2.0 (HS20) negotiation and discovery.

[CSV Data for Station ANQP Times](#)

Station ANQP Times



This measures the time it takes to complete the 4-way Authentication used by WPA encryption. If this increases as more stations are added, it may indicate scalability problems.

[CSV Data for Station 4-Way Auth Times](#)

Station 4-Way Auth Times



This measures the time it takes to acquire a DHCP lease. The DHCP protocol broadcasts at least one discovery message and then waits a second or two before trying to acquire a lease. So, longer times here are usually not a problem. If the time goes up as more stations associate then it may indicate scalability issues, and it may also mean that the DHCP server has run out of leases.

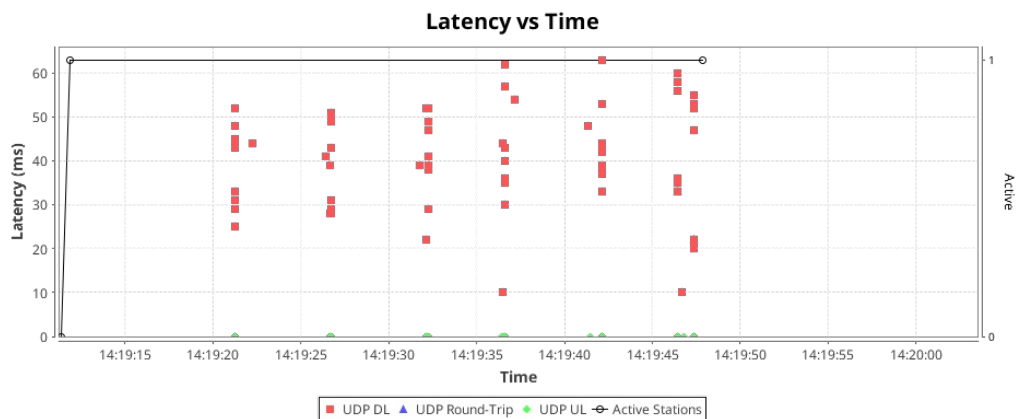
[CSV Data for Station DHCP Times](#)

Station DHCP Times



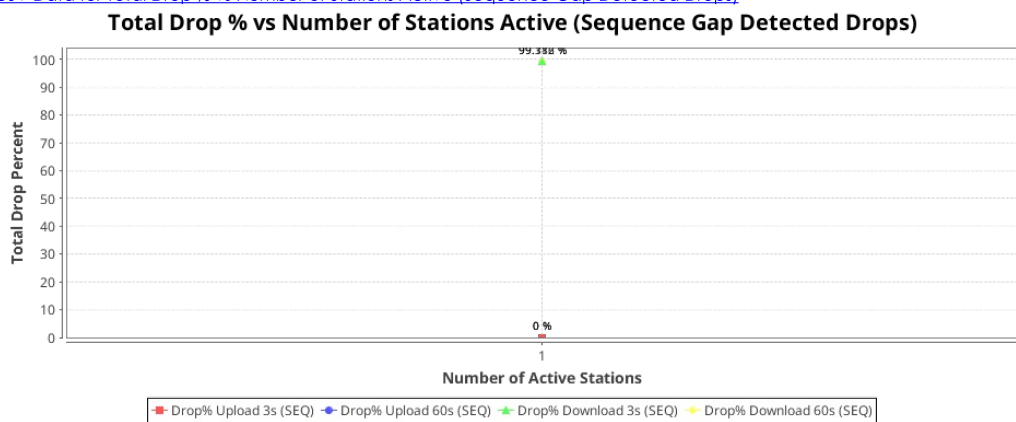
This measures the one-way latency reported by LANforge. Much of the latency will be in the LANforge itself when transmitting at maximum speeds because LANforge will have fairly large send buffers. You can force the send buffers smaller to decrease this. But, the device-under-test can also influence over-all latency. We often see multiple seconds of latency in our testing, but in a perfect world you would want the latency to not increase much as more stations are added.

[CSV Data for Latency vs Time](#)



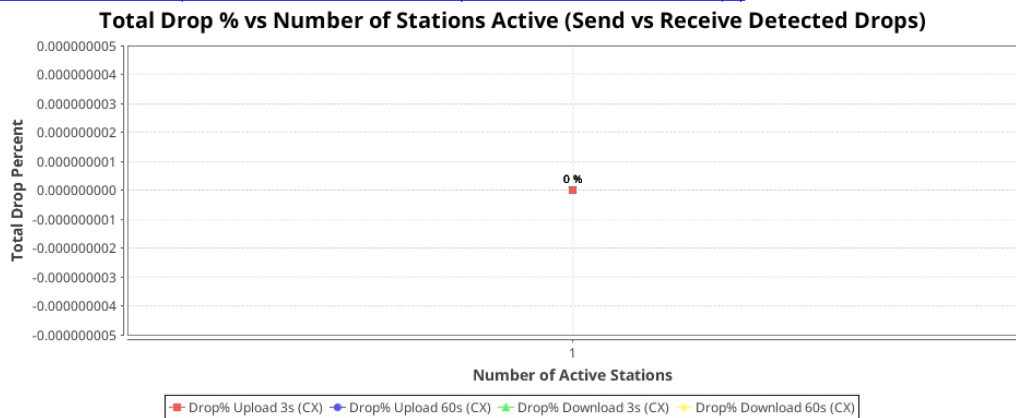
This packet loss is calculated based on the sequence-gap detected drops. If the device-under-test is reordering packets, then this value may be incorrect. Check the Layer-3 Endpoint out-of-order column if this graph is significantly different from the cx-detected-drop graph above.

[CSV Data for Total Drop % vs Number of Stations Active \(Sequence Gap Detected Drops\)](#)



This packet loss is calculated based on the number of PDUs sent by one side versus the number received on the other. Please note that TCP does not actually drop packets, but it will instead just run slower and retransmit frames. UDP will give more accurate packet-loss statistics.

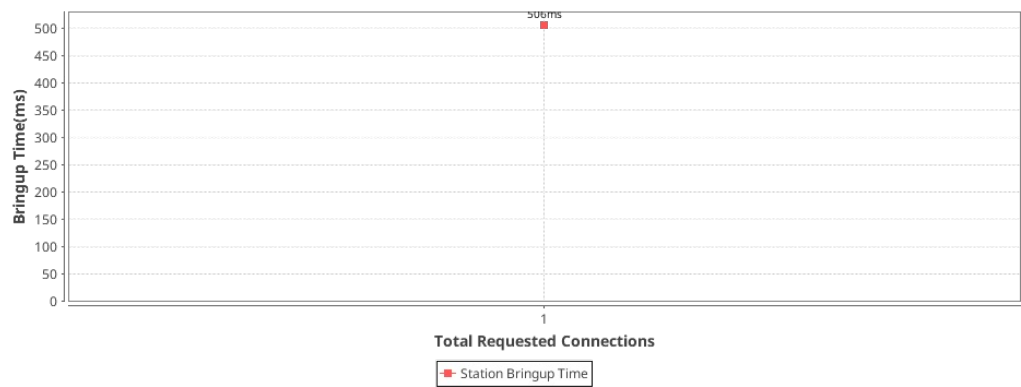
[CSV Data for Total Drop % vs Number of Stations Active \(Send vs Receive Detected Drops\)](#)



This charts the total time it takes the stations to associate and acquire a DHCP lease (if DHCP is being used). If the system is scaling well, this time should not increase much as more stations are brought up.

[CSV Data for Stations requested UP vs Bringup Time for Last Batch of 1 Stations](#)

Stations requested UP vs Bringup Time for Last Batch of 1 Stations



Wifi-Capacity Test requested values

Station Increment:	1
Loop Iterations:	Single (1)
Duration:	30 sec (30 s)
Estimated Run Duration:	1 m
Layer 4-7 Endpoint:	NONE
IP Version	IPv4
MSS	AUTO
Total Download Rate:	10Gbps (10 Gbps)
Total Upload Rate:	Zero (0 bps)
Protocol:	UDP
Payload Size:	AUTO
Socket buffer size:	OS Default
IP ToS:	Best Effort (0)
Multi-Conn:	3
UDP-GRO	true
UDP-Burst	true
Use existing URL rate	false
Set Bursty Minimum Speed:	Burst Mode Disabled (-1)
Percentage TCP Rate:	10% (10%)
Randomize Rates	true
Leave Ports Up	true
Advanced Latency Reporting	false
Settle Time:	5 sec (5 s)
Rpt Timer:	fast (1 s)
Graph Max Samples:	Suggested (1,080)
Graph Compression Interval:	Suggested (5 min) (5 m)
Show-Per-Iteration-Charts	true
Show-Per-Loop-Totals	true
Hunt-Lower-Rates	false

Show Events	true
Clear Reset Counters	false
CSV Reporting Dir	- not selected -
Build Date	Thu 16 Jan 2025 07:00:39 PM PST
Build Version	5.4.9
Git Version	fdb4de067064dee0122c450354933ed75fbf699b
Ports	1.1.eth3 1.1.sta0000
Firmware	0x80000aef, 1.1876.0
Machines	ct523c-0b13

Requested Parameters:

Download Rate:	Per station:	1000000000 (1 Gbps)	All:	10000000000 (10 Gbps)
Upload Rate:	Per station:	0 (0 bps)	All:	0 (0 bps)
Total:			10000000000 (10 Gbps)	
Station count:			1	
Connections per station:			10	
Payload (PDU) sizes:			AUTO (AUTO)	

Observed Rate:

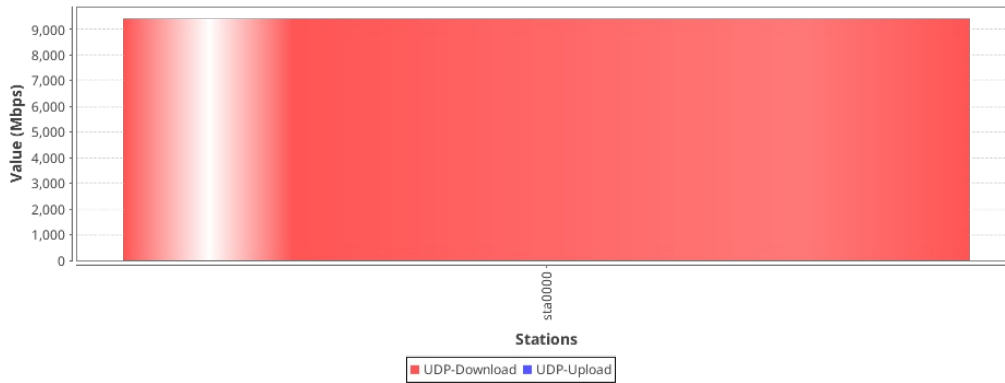
This table shows stats for all connections this iteration based on their reporting interval average.

Download Rate:	Cx Min:	9.42 Gbps	Cx Ave:	9.42 Gbps	Cx Max:	9.42 Gbps	All Cx:	9.42 Gbps
Upload Rate:	Cx Min:	0 bps	Cx Ave:	0 bps	Cx Max:	0 bps	All Cx:	0 bps
Total:							9.42 Gbps	
Aggregated Rate:	Min:	9.42 Gbps	Avg:	9.42 Gbps	Max:	9.42 Gbps		

This graph shows fairness. On a fair system, each station should get about the same throughput. In the download direction, it is mostly the device-under-test that is responsible for this behavior, but in the upload direction, LANforge itself would be the source of most fairness issues unless the device-under-test takes specific actions to ensure fairness.

[CSV Data for Combined Mbps, 60 second running average](#)

Combined Mbps, 60 second running average



Requested Parameters:

Download Rate:	Per station:	1000000000 (1 Gbps)	All:	10000000000 (10 Gbps)
Upload Rate:	Per station:	0 (0 bps)	All:	0 (0 bps)
Total:			10000000000 (10 Gbps)	
Station count:			1	
Connections per station:			10	
Payload (PDU) sizes:			AUTO (AUTO)	

Observed Amount:

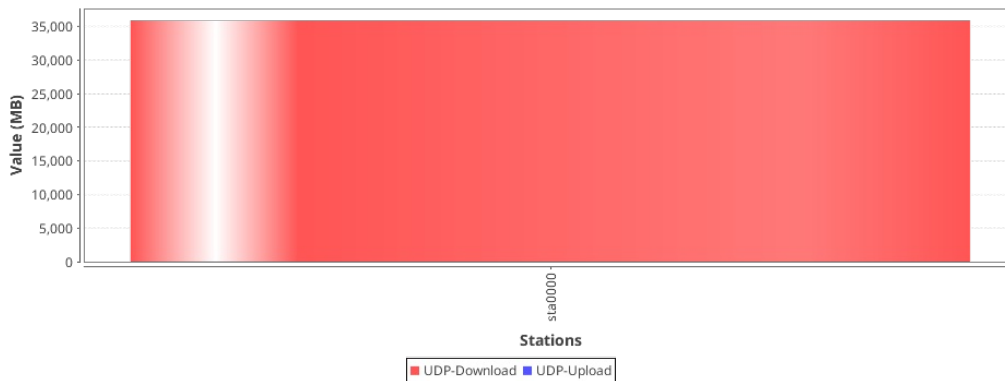
This table shows stats for all connections this iteration based on their reporting interval average.

Download Amount:	Cx Min:	33.424 GB	Cx Ave:	33.424 GB	Cx Max:	33.424 GB	All Cx:	33.424 GB
Upload Amount:	Cx Min:	0 B	Cx Ave:	0 B	Cx Max:	0 B	All Cx:	0 B
Total:								33.424 GB

This graph shows fairness. On a fair system, each station should get about the same throughput. In the download direction, it is mostly the device-under-test that is responsible for this behavior, but in the upload direction, LANforge itself would be the source of most fairness issues unless the device-under-test takes specific actions to ensure fairness.

[CSV Data for Combined Received Megabytes, for entire 30 s run](#)

Combined Received Megabytes, for entire 30 s run



Capacity Snapshot 1 Stations

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
1.1.1.1 sta0000	9.024 Kbps	6.793 Gbps	0.187	11529.3 Mbps	11.529 Gbps	802.11a- BE 320 4x4	259	49	-14	5E:8C:B5:48:D3:88	192.168.0.231	38:f8:f6:9f:0e:16

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	8.673 Gbps	7.515 Kbps	10 Gbps	192.168.0.210	9c:69:b4:64:fe:fd

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
udp--1.eth3-01.sta0000-0-A	0 bps	940.86 Mbps	0	2432207	47	47	0	0.417	5.713	0	358,722,171
udp--1.eth3-01.sta0000-0-B	962.041 Mbps	0 bps	2490186	0	0	47	0	0	0	0	0
udp--1.eth3-01.sta0000-1-A	0 bps	946.837 Mbps	0	2450851	22	22	0	2.334	5.652	0	347,501,803
udp--1.eth3-01.sta0000-1-B	969.472 Mbps	0 bps	2509422	0	0	22	0	0	0	0	0
udp--1.eth3-01.sta0000-2-A	0 bps	937.862 Mbps	0	2427600	55	55	0	0	5.730	0	358,172,845
udp--1.eth3-01.sta0000-2-B	959.735 Mbps	0 bps	2484217	0	0	55	0	0	0	0	0
udp--1.eth3-01.sta0000-3-A	0 bps	947.991 Mbps	0	2453818	22	22	0	0	5.931	0	360,723,518
udp--1.eth3-01.sta0000-3-B	970.924 Mbps	0 bps	2513263	0	0	22	0	0	0	0	0
udp--1.eth3-01.sta0000-4-A	0 bps	935.106 Mbps	0	2420471	53	53	0	0	5.453	0	339,891,701
udp--1.eth3-01.sta0000-4-B	957.278 Mbps	0 bps	2477776	0	0	53	0	0	0	0	0
udp--1.eth3-01.sta0000-5-A	0 bps	946.453 Mbps	0	2449890	22	22	6	0	5.847	0	361,011,463
udp--1.eth3-01.sta0000-5-B	969.539 Mbps	0 bps	2509594	0	0	22	0	0	0	0	0
udp--1.eth3-01.sta0000-6-A	0 bps	936.67 Mbps	0	2424482	52	52	0	0	5.692	0	348,686,416
udp--1.eth3-01.sta0000-6-B	959.775 Mbps	0 bps	2484240	0	0	52	0	0	0	0	0
udp--1.eth3-01.sta0000-7-A	0 bps	946.463 Mbps	0	2449912	21	21	0	0	5.607	0	345,341,652
udp--1.eth3-01.sta0000-7-B	967.964 Mbps	0 bps	2505517	0	0	21	0	0	0	0	0
udp--1.eth3-01.sta0000-8-A	0 bps	935.947 Mbps	0	2422608	52	52	0	0	5.596	0	352,939,489
udp--1.eth3-01.sta0000-8-B	959.312 Mbps	0 bps	2483164	0	0	52	0	0	0	0	0
udp--1.eth3-01.sta0000-9-A	0 bps	946.207 Mbps	0	2449122	20	20	1	0	5.710	0	350,248,979
udp--1.eth3-01.sta0000-9-B	967.417 Mbps	0 bps	2504019	0	0	20	0	0	0	0	0

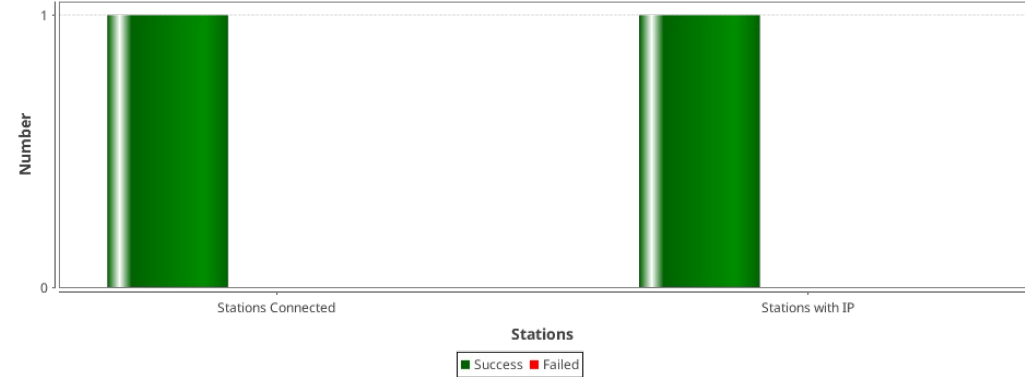
Notes:

- Counters may be slightly out-of-sync, as snapshots are taken while CXs are still running to ensure that tx-bps and rx-bps are reported as accurately as possible.
- Snapshot data is captured at the end of an iteration.
- Connection statistics are reset at the start of each iteration.

Maximum Stations Connected: 1
Stations NOT connected at this time: 0
Maximum Stations with IP Address: 1
Stations without IP at this time: 0

CSV Data for Station Maximums

Station Maximums



Capacity Snapshot 1 Stations after CX down

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
1.1.1.1 sta0000	12.64 Kbps	6.542 Gbps	0.187	6 Mbps	11.529 Gbps	802.11a- BE 320 4x4	259	49	-27	5E:8C:B5:48:D3:88	192.168.0.231	38:f8:f6:9f:0e:16

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.3 eth3	8.431 Gbps	12.524 Kbps	10 Gbps	192.168.0.210	9c:69:b4:64:fe:fd

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
udp--1.eth3-01.sta0000-0-A	0 bps	842.222 Mbps	0	2970233	39	39	0	12.911	5.677	0	432,615,464
udp--1.eth3-01.sta0000-0-B	967.139 Mbps	0 bps	3410584	0	0	39	0	0	0	0	0
udp--1.eth3-01.sta0000-1-A	0 bps	842.83 Mbps	0	2972429	44	44	0	12.797	5.574	0	419,713,153
udp--1.eth3-01.sta0000-1-B	966.52 Mbps	0 bps	3408629	0	0	44	0	0	0	0	0
udp--1.eth3-01.sta0000-2-A	0 bps	841.242 Mbps	0	2967006	42	42	0	12.769	5.673	0	426,840,121
udp--1.eth3-01.sta0000-2-B	964.379 Mbps	0 bps	3401303	0	0	42	0	0	0	0	0
udp--1.eth3-01.sta0000-3-A	0 bps	844.349 Mbps	0	2978235	13	13	0	12.759	5.826	0	434,643,860
udp--1.eth3-01.sta0000-3-B	967.834 Mbps	0 bps	3413801	0	0	13	0	0	0	0	0
udp--1.eth3-01.sta0000-4-A	0 bps	841.504 Mbps	0	2968353	27	27	7	12.694	5.505	0	419,355,504
udp--1.eth3-01.sta0000-4-B	963.862 Mbps	0 bps	3399933	0	0	27	0	0	0	0	0
udp--1.eth3-01.sta0000-5-A	0 bps	843.762 Mbps	0	2976544	55	55	0	12.703	5.748	0	436,065,181
udp--1.eth3-01.sta0000-5-B	966.555 Mbps	0 bps	3409661	0	0	55	0	0	0	0	0
udp--1.eth3-01.sta0000-6-A	0 bps	839.956 Mbps	0	2963260	40	40	0	12.849	5.671	0	419,888,630
udp--1.eth3-01.sta0000-6-B	963.811 Mbps	0 bps	3400152	0	0	40	0	0	0	0	0
udp--1.eth3-01.sta0000-7-A	0 bps	843.978 Mbps	0	2977646	33	33	21	12.626	5.549	0	418,211,192
udp--1.eth3-01.sta0000-7-B	965.956 Mbps	0 bps	3407947	0	0	33	0	0	0	0	0
udp--1.eth3-01.sta0000-8-A	0 bps	839.297 Mbps	0	2961277	40	40	0	12.966	5.535	0	421,486,774
udp--1.eth3-01.sta0000-8-B	964.336 Mbps	0 bps	3402456	0	0	40	0	0	0	0	0
udp--1.eth3-01.sta0000-9-A	0 bps	844.027 Mbps	0	2978051	20	20	0	12.481	5.657	0	426,602,706
udp--1.eth3-01.sta0000-9-B	964.376 Mbps	0 bps	3402745	0	0	20	0	0	0	0	0

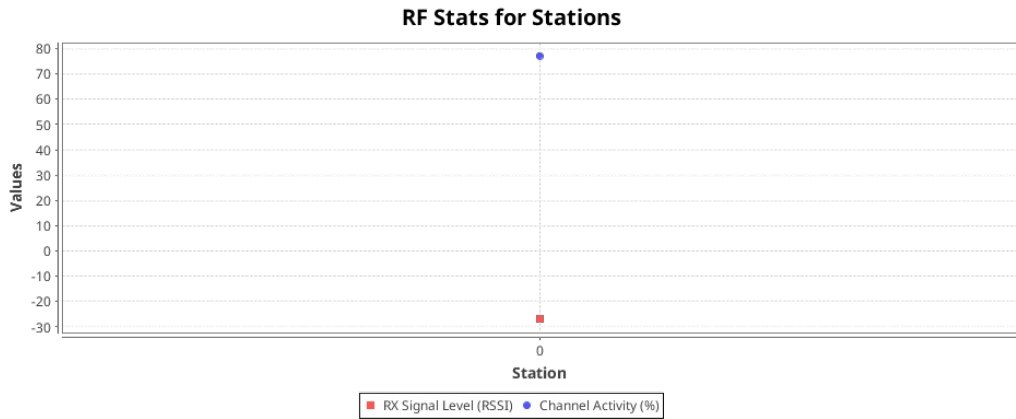
Notes:

- Counters after the CX is down do not accurately reflect the test environment as the connections run for some time after the test has completed.
- CX down snapshot data is captured at the end of a full iteration, with the maximum number of connections up.
- Connection statistics are reset at the start of each iteration.

RF stats give an indication of how well how congested is the RF environment. Channel activity is what the wifi radio reports as the busy-time for the RF environment. It is expected that this be near 100% when LANforge is running at max speed, but at lower speeds, this should be a lower percentage unless the RF environment is busy with other systems.

RF stats are collected at the end of the iteration.

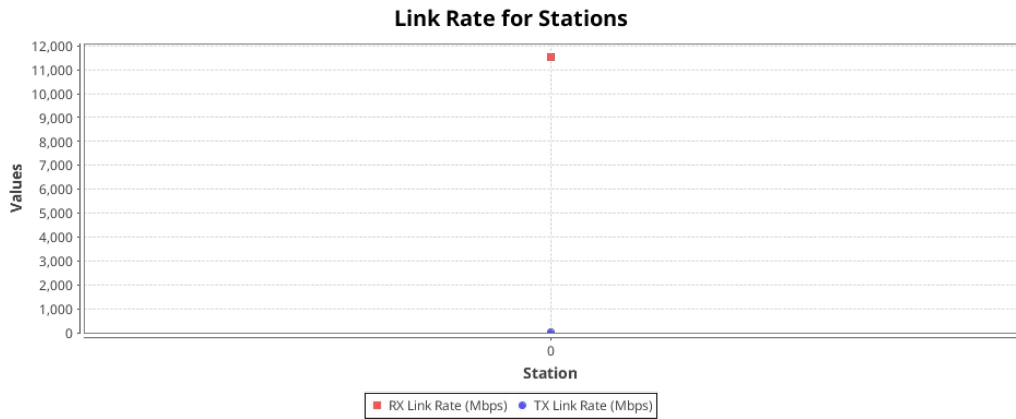
[CSV Data for RF Stats for Stations](#)



Link rate stats give an indication of how well the rate-control is working. For rate-control, the 'RX' link rate corresponds to what the device-under-test is transmitting. If all of the stations are on the same radio, then the TX and RX encoding rates should be similar for all stations. If there is a definite pattern where some stations do not get good RX rate, then probably the device-under-test has rate-control problems. The TX rate is what LANforge is transmitting at.

Link Rate is recorded at the end of each iteration. Please see individual station statistics CSV files for link rate over time.

CSV Data for Link Rate for Stations



Key Performance Indicators CSV

Scan Results for SSIDs used in this test.

BSS 5e:8c:b5:48:d3:88(on sta0000) -- associated

last seen: 457.125s [boottime]

TSF: 933171260 usec (0d, 00:15:33)

freq: 6295.0

beacon interval: 100 TUs

capability: ESS Privacy SpectrumMgmt ShortSlotTime RadioMeasure (0x1511)

signal: -28.00 dBm

last seen: 139 ms ago

SSID: TPLINK_6G

Supported rates: 6.0* 9.0 12.0* 18.0 24.0* 36.0 48.0 54.0

TIM: DTIM Count 0 DTIM Period 1 Bitmap Control 0x0 Bitmap[0] 0x0

Country: US Environment: bogus

Extension ID: 201 Regulatory Class: 131 Coverage class: 0 (up to 0m)

Channels [33 - 233] @ 0 dBm

Power constraint: 0 dB

TPC report: TX power: 22 dBm

RSN:

- * Version: 1
- * Group cipher: CCMP
- * Pairwise ciphers: CCMP
- * Authentication suites: SAE
- * Capabilities: 16-PTKSA-RC 1-GTKSA-RC MFP-required MFP-capable (0x00cc)

RM enabled capabilities:

Capabilities: 0x73 0xd0 0x00 0x00 0x0c

- Link Measurement
- Neighbor Report
- Beacon Passive Measurement
- Beacon Active Measurement
- Beacon Table Measurement
- LCI Measurement
- Transmit Stream/Category Measurement
- Triggered Transmit Stream/Category
- FTM Range Report
- Civic Location Measurement

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Nonoperating Channel Max Measurement Duration: 0
Measurement Pilot Capability: 4
Extended capabilities:
* Extended Channel Switching
* TFS
* WNM-Sleep Mode
* TIM Broadcast
* BSS Transition
* Multiple BSSID
* SSID List
* Operating Mode Notification
* 80
* 83
Transmit Power Envelope: <invalid: 6 bytes: 53 3c 3c 3c 3c 3c>
Transmit Power Envelope: <invalid: 6 bytes: 13 30 30 30 30 30>
HE capabilities:
HE MAC Capabilities (0x01091a081040):
+HTC HE Supported
Dynamic BA Fragmentation Level: 1
Minimum Payload size of 128 bytes: 1
BSR
OM Control
Maximum A-MPDU Length Exponent: 3
A-MSDU in A-MPDU
OM Control UL MU Data Disable RX
HE PHY Capabilities: (0x0c634088fd5b811c110800):
HE40/HE80/5GHz
HE160/5GHz
Punctured Preamble RX: 3
LDPC Coding in Payload
HE SU PPDU with 1x HE-LTF and 0.8us GI
Full Bandwidth UL MU-MIMO
DCM Max Constellation Rx: 1
SU Beamformer
SU Beamformee
Beamformee STS <= 80MHz: 7
Beamformee STS > 80MHz: 7
Sounding Dimensions <= 80MHz: 3
Sounding Dimensions > 80MHz: 3
Ng = 16 SU Feedback
Codebook Size SU Feedback
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
Max NC: 3
HE ER SU PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 1x HE-LTF 0.8us GI
RX 1024-QAM
HE RX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set <= 80 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE RX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
HE TX MCS and NSS set 160 MHz
1 streams: MCS 0-11
2 streams: MCS 0-11
3 streams: MCS 0-11
4 streams: MCS 0-11
5 streams: not supported
6 streams: not supported
7 streams: not supported
8 streams: not supported
PPE Threshold 0x7b 0x1c 0xc7 0x71 0x1c 0xc7 0x71 0x1c 0xc7 0x71
EHT capabilities:
EHT MAC Capabilities (0x0000):
EHT PHY Capabilities: (0xe2ffdb001836d83e):
320MHz in 6GHz Supported
SU Beamformer
SU Beamformee
Beamformee SS <= 80MHz: 7
Beamformee SS = 160MHz: 7
Beamformee SS = 320MHz: 7
Number Of Sounding Dimensions <= 80MHz: 3
Number Of Sounding Dimensions = 160MHz: 3
Number Of Sounding Dimensions = 320MHz: 3
EHT MU PPDU With 4x EHT-LTF And 0.8 µs GI
Max Nc: 1
Tx 1024-QAM And 4096-QAM < 242-tone RU
Rx 1024-QAM And 4096-QAM < 242-tone RU
Common Nominal Packet Padding: 3
MCS 15 Supported: 11

```

```
EHT DUP (MCS 14) In 6 GHz Supported
Non-OFDMA UL MU-MIMO <= 80MHz
Non-OFDMA UL MU-MIMO = 160MHz
Non-OFDMA UL MU-MIMO = 320MHz
MU Beamformer (BW <= 80MHz)
MU Beamformer (BW = 160MHz)
EHT MCS/NSS: (0x4444444444444444):
EHT MCS and NSS set <= 80 MHz
  RX Max NSS that supports MCS 0-9: 4 streams
  TX Max NSS that supports MCS 0-9: 4 streams
  RX Max NSS that supports MCS 10-11: 4 streams
  TX Max NSS that supports MCS 10-11: 4 streams
  RX Max NSS that supports MCS 12-13: 4 streams
  TX Max NSS that supports MCS 12-13: 4 streams
EHT MCS and NSS set 160 MHz
  RX Max NSS that supports MCS 0-9: 4 streams
  TX Max NSS that supports MCS 0-9: 4 streams
  RX Max NSS that supports MCS 10-11: 4 streams
  TX Max NSS that supports MCS 10-11: 4 streams
  RX Max NSS that supports MCS 12-13: 4 streams
  TX Max NSS that supports MCS 12-13: 4 streams
EHT MCS and NSS set 320 MHz
  RX Max NSS that supports MCS 0-9: 4 streams
  TX Max NSS that supports MCS 0-9: 4 streams
  RX Max NSS that supports MCS 10-11: 4 streams
  TX Max NSS that supports MCS 10-11: 4 streams
  RX Max NSS that supports MCS 12-13: 4 streams
  TX Max NSS that supports MCS 12-13: 4 streams
WMM:
  * Parameter version 1
  * u-APSD
  * BE: CW 15-1023, AIFS 3
  * BK: CW 15-1023, AIFS 7
  * VI: CW 7-15, AIFS 2, TXOP 3008 usec
  * VO: CW 3-7, AIFS 2, TXOP 1504 usec
```

[META Information for Report for: Wifi Capacity Test](#)