

Dataplane Test

Tue Jun 23 01:31:11 PDT 2026



Information about the test.

Objective

The Candela WiFi data plane test is designed to conduct an automatic testing of all combinations of station types, MIMO types, Channel Bandwidths, Traffic types, Traffic direction, Frame sizes etc.... It will run a quick throughput test at every combination of these test variables and plot all the results in a set of charts to compare performance. The user is allowed to define an intended load as a percentage of the max theoretical PHY rate for every test combination. The expected behavior is that for every test combination the achieved throughput should be at least 70% of the theoretical max PHY rate under ideal test conditions. This test provides a way to go through hundreds of combinations in a fully automated fashion and very easily find patterns and problem areas which can be further debugged using more specific testing.

DUT information in details.

Test Setup Information		
Device Under Test	Name	TPLink_3C7E
	Software Version	1.2.3 Build 20250314 rel.45415(5553)
	SSIDs	TP-Link_3C7E TP-Link_3C7E_5G TP-Link_3C7E_6G TP-Link_3C7E_ML0
	Passwords	25520545 25520545 25520545 25520545
	BSSIDs	8c:90:2d:0d:3c:80 8c:90:2d:0d:3c:81 96:90:2d:0d:3c:82
	Notes	[BLANK]

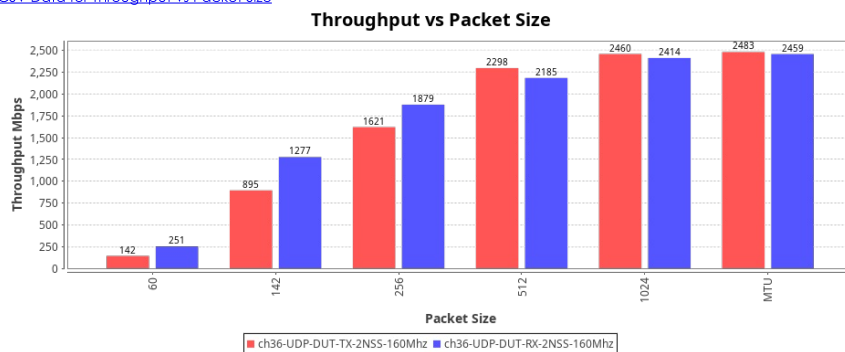
Results in details.

Test Results

Type	Result	Value	P/F Value	Notes
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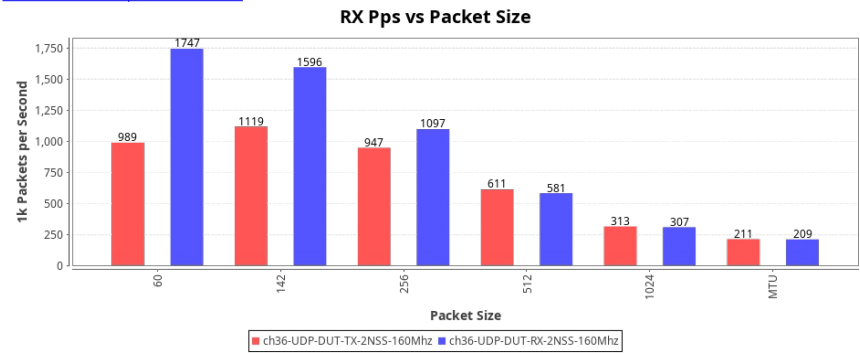
Throughput for each different traffic type. The throughput data shown is the average throughput for the related reporting interval (1-minute for normal and -LL, 3-seconds for -3s). Datasets with names containing '-LL' will include the IP, TCP, UDP and Ethernet header bytes in their calculation. For Armageddon traffic only, low-level throughput includes the Ethernet FCS and preamble. Other datasets report 'goodput' for the protocol. If 'Show Opposite Traffic' is enabled, download is represented by brown and upload is represented by purple, with the varying shades signifying 3s, 1m, and low-level throughput results.

[CSV Data for Throughput vs Packet Size](#)



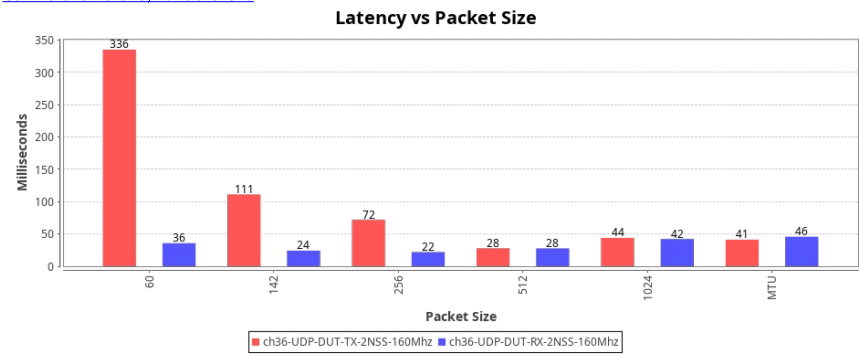
Pps throughput for each different traffic type. The values are estimated packets-per-second over the DUT, but some protocols such as TCP make this difficult to know for certain, so the value is extrapolated.

[CSV Data for RX Pps vs Packet Size](#)



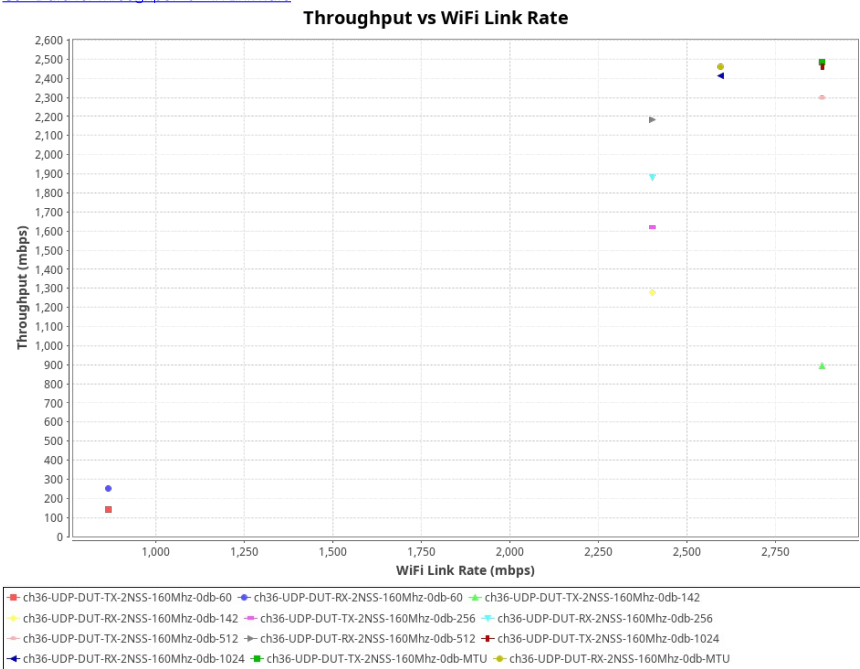
Latency for each different traffic type. If opposite-direction traffic is non-zero, then round-trip time will be reported. Otherwise, one-way latency will be reported.

[CSV Data for Latency vs Packet Size](#)



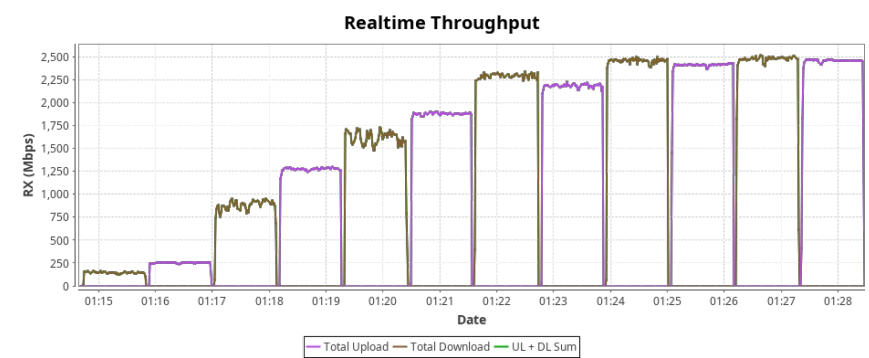
Throughput vs WiFi Link Rate (Phy Rate) for each different traffic type.

[CSV Data for Throughput vs WiFi Link Rate](#)



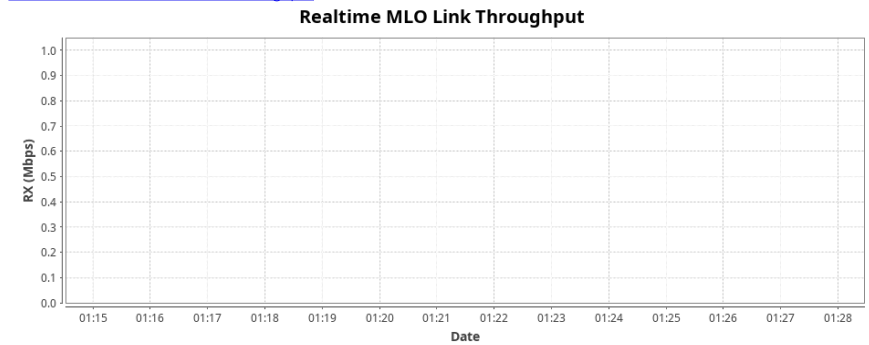
Realtime Graph shows summary download and upload RX Goodput rate of connections created by this test. Goodput does not include Ethernet, IP, UDP/TCP header overhead.

[CSV Data for Realtime Throughput](#)

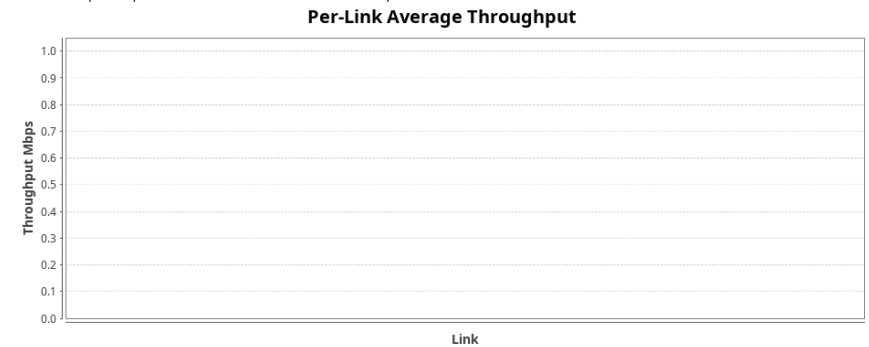


Realtime Link Graph shows summary download and upload RX rate for WiFi MLO Links.

[CSV Data for Realtime MLO Link Throughput](#)



Throughput vs Link shows the average throughput on a per-MLO-link basis over the course of the entire test. In WiFi Capacity test, the links are combined by band.



Test Information

Message
AP Regulatory Domain: US
Starting dataplane test with: 12 iterations.

CSV Data Table

Constant values related to the table below.

Iteration-Duration	60s
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CSV data focused on throughput. The values reported are gathered at the end of the test iteration before traffic is stopped. The test iterations consider 'Received' traffic to be received in the dominant direction. So, if the iteration is DUT-TX, then Received traffic is traffic received on the Station from the AP. If the iteration is DUT-RX, then Received traffic is received on Ethernet port from DUT and sent by the station. Columns starting with RSSI are from the perspective of the LANforge WiFi port, so Tx-Rate is the LANforge port transmit Phy Rate, and Rx-Rate is the Phy Rate received by the LANforge port. The Rx-Bps column shows the throughput average of the entire test duration. The Rx-Bps-1m/LL/3s and related columns show the throughput average from the previous report interval of the test, 1-minute for -1m and -LL, 3-seconds for -3s. Rpt-Mode is negotiated mode, not necessarily Phy Rate mode. Any columns after 'Rpt-Mode-Brief' are gathered by probing the DUT with the configured 'DUT Report Command' script and typically report from the view of the DUT itself.

Channel	Frequency	Security	NSS	Cfg-Mode	Bandwidth	Pkt	Traffic-Type	Direction	Atten	Rotation	Tilt	Offered-1m	Rx-Bps	Rx-Bps-1m	Rx-Bps-LL	Rx-Bps-3s	Rx-Bps-1m-DL	Rx-Bps-1m-UL	Rx-Bps-LL-DL	Rx-Bps-LL-UL	Rx-Bps-3s-DL	Rx-Bps-3s-UL	RSSI	Tx-Failed	Tx-Failed%	Tx-Rate	Rx-Rate	Rpt-Mode	Rpt-Mode-Brief
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CSV data focussed on TX and RX Link Rate and RSSI reports. The values reported are gathered at the end of the test iteration before traffic is stopped. The Phy Rate and RSSI are from the perspective of the LANforge port, so Tx-MCS is MCS at which LANforge port is sending to the peer device, and Rx-MCS is MCS at which the peer device is sending to the station.

Brief csv report, may be imported into third-party tools.

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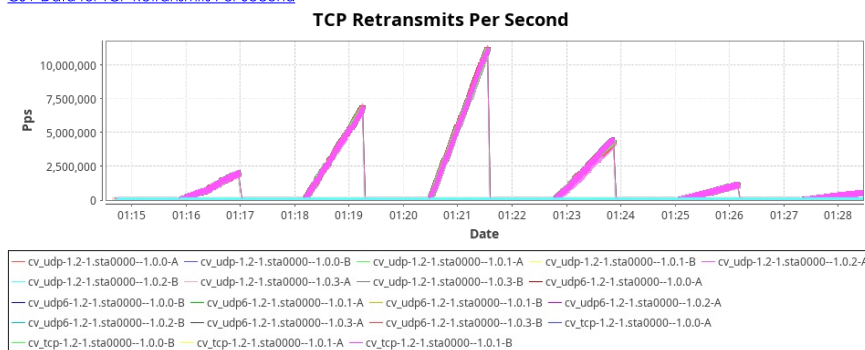
Step Index	Position [Deg]	Tilt [Deg]	Attenuation [dB]	Throughput [Mbps]	Beacon RSSI [dBm]	Data RSSI [dBm]
0	NA	NA	0	142.92	0	-33
1	NA	NA	0	250.99	0	-33
2	NA	NA	0	889.06	0	-36
3	NA	NA	0	1,275.88	0	-33
4	NA	NA	0	1,626.00	0	-36
5	NA	NA	0	1,879.71	0	-33
6	NA	NA	0	2,296.37	0	-31
7	NA	NA	0	2,185.75	0	-33
8	NA	NA	0	2,461.78	0	-36
9	NA	NA	0	2,414.85	0	-33
10	NA	NA	0	2,482.37	0	-36
11	NA	NA	0	2,460.50	0	-33

Throughput metrics csv report, may be imported into third-party tools.

Loop Iteration	Attenuation [dB]	Minimum Tput [Mbps]	Avg Throughput [Mbps]	Maximum Tput [Mbps]
0	0	142.92	1,697.18	2,482.37

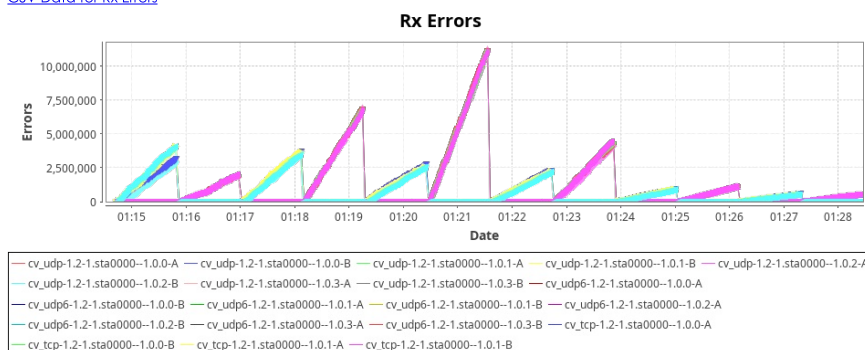
Retransmit Graph shows occurrences of retransmitted packets.

[CSV Data for TCP Retransmits Per Second](#)



Error Graph shows occurrences of packet errors.

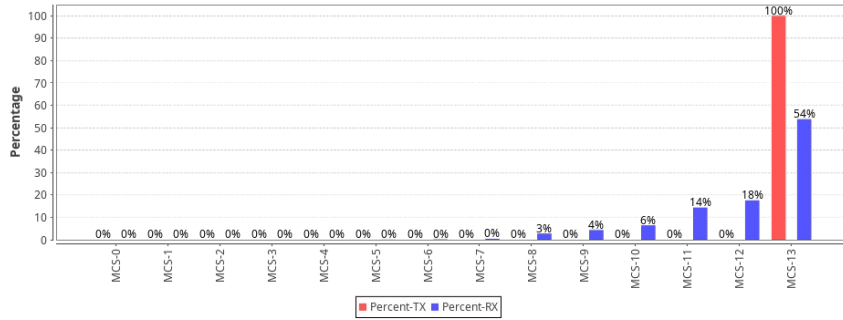
[CSV Data for Rx Errors](#)



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

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

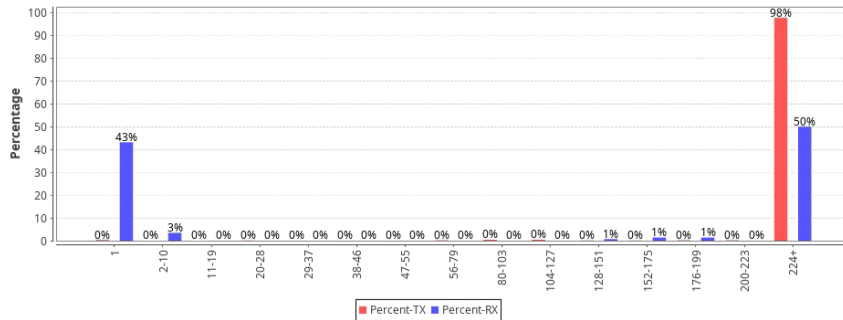
WiFi Packet MCS Percentages



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

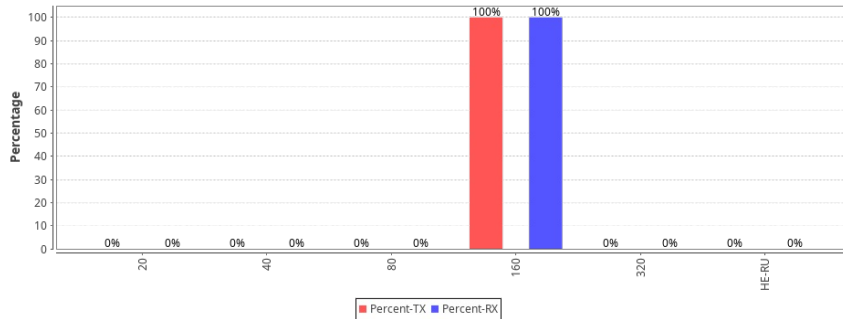
WiFi Packet AMPDU Length Percentages



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

CSV Data for WiFi Bandwidth Percentages

WiFi Bandwidth Percentages



HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 60 UDP DUT-TX after test step completed.

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
1.1.22 sta0000	5.102 Kbps	475.181 Mbps	0	2882.3 Mbps	864.6 Mbps	802.11an-BE 160 2x2	36	71	-33	8C:90:2D:80:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	996.954 Mbps	4.768 Kbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	0 bps	36.953 Mbps	0	16906912	261	261	1	55.757	24.035	0	574,712,326,030
cv_udp-1.2-1.sta0000-1.0.0-B	84.811 Mbps	0 bps	38584320	0	0	261	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-A	0 bps	38.851 Mbps	0	17603446	815	815	0	56.056	23.119	0	581,606,957,216
cv_udp-1.2-1.sta0000-1.0.1-B	88.554 Mbps	0 bps	40058880	0	0	815	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-A	0 bps	33.96 Mbps	0	15387550	127	127	212	58.808	20.548	0	455,410,004,212

cv_udp-1.2-1.sta0000-1.0.2-B	82.831 Mbps	0 bps	37355520	0	0	127	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-A	0 bps	32.595 Mbps	0	14722352	139	139	175	59.248	19.881	0	420.689,145,817
cv_udp-1.2-1.sta0000-1.0.3-B	80.659 Mbps	0 bps	36126720	0	0	139	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 60 UDP DUT-RX after test step completed.

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
1.1.22 sta0000	891.92 Mbps	22.717 Mbps	0	1441.1 Mbps	864.8 Mbps	802.11an-BE 160 2x2	36	71	-33	8C:90:2D:0D:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	224.837 Mbps	693.847 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	62.798 Mbps	0 bps	28397632	0	0	42	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.0-B	0 bps	62.849 Mbps	0	28468672	42	42	0	6.682	0	1,968,691	1,968,691
cv_udp-1.2-1.sta0000-1.0.1-A	62.955 Mbps	0 bps	28491520	0	0	46	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-B	0 bps	62.989 Mbps	0	28554972	46	46	0	6.529	0	1,923,574	1,923,574
cv_udp-1.2-1.sta0000-1.0.2-A	62.759 Mbps	0 bps	28467008	0	0	22	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-B	0 bps	62.813 Mbps	0	28464960	22	22	0	6.640	0	1,888,062	1,888,062
cv_udp-1.2-1.sta0000-1.0.3-A	62.773 Mbps	0 bps	28523776	0	0	33	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-B	0 bps	62.846 Mbps	0	28519616	33	33	0	6.915	0	1,968,122	1,968,122

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 142 UDP DUT-TX after test step completed.

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
1.1.22 sta0000	139.462 Mbps	1.03 Gbps	0	1441.1 Mbps	2.882 Gbps	802.11an-BE 160 2x2	36	71	-36	8C:90:2D:0D:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	1.79 Gbps	220.773 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	0 bps	223.788 Mbps	0	18008682	106	106	30	48.194	20.024	0	146,016,548,225
cv_udp-1.2-1.sta0000-1.0.0-B	435.72 Mbps	0 bps	35152229	0	0	106	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-A	0 bps	220.725 Mbps	0	17906031	96	96	75	48.115	20.863	0	154,899,155,039
cv_udp-1.2-1.sta0000-1.0.1-B	423.481 Mbps	0 bps	34510895	0	0	96	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-A	0 bps	225.805 Mbps	0	18356455	144	144	77	47.887	20.133	0	161,887,868,363
cv_udp-1.2-1.sta0000-1.0.2-B	433.317 Mbps	0 bps	35224436	0	0	144	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-A	0 bps	224.612 Mbps	0	18320424	99	99	70	48.911	19.690	0	154,092,722,639
cv_udp-1.2-1.sta0000-1.0.3-B	435.052 Mbps	0 bps	35859655	0	0	99	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 142 UDP DUT-RX after test step completed.

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
1.1.22 sta0000	1.496 Gbps	280.603 Mbps	0	2882.3 Mbps	2.402 Gbps	802.11an-BE 160 2x2	36	71	-33	8C:90:2D:0D:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	742.704 Mbps	1.268 Gbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	327.104 Mbps	0 bps	26639934	0	0	40	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.0-B	0 bps	319.458 Mbps	0	26014709	40	40	0	28.001	0	6,834,179	7,468,214
cv_udp-1.2-1.sta0000-1.0.1-A	327.059 Mbps	0 bps	26629623	0	0	24	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-B	0 bps	320.44 Mbps	0	26081268	24	24	0	27.859	0	6,870,270	7,423,715
cv_udp-1.2-1.sta0000-1.0.2-A	326.254 Mbps	0 bps	26539812	0	0	14	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-B	0 bps	317.449 Mbps	0	25800846	14	14	0	29.094	0	6,982,544	7,725,382
cv_udp-1.2-1.sta0000-1.0.3-A	325.806 Mbps	0 bps	26555077	0	0	19	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-B	0 bps	319.765 Mbps	0	26061047	19	19	0	28.258	0	7,009,772	7,511,275

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 256 UDP DUT-TX after test step completed.

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
1.1.22 sta0000	546.949 Mbps	1.345 Gbps	0	2882.3 Mbps	2.402 Gbps	802.11an- BE 160 2x2	36	71	-36	8c:90:20:00:3c:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	3.042 Gbps	638.866 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	0 bps	402.012 Mbps	0	15479780	75	75	0	57.358	17.116	0	57,658,880,491
cv_udp-1.2-1.sta0000-1.0.0-B	971.859 Mbps	0 bps	37187861	0	0	75	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-A	0 bps	394.625 Mbps	0	15253938	111	111	0	58.230	17.508	0	57,188,612,744
cv_udp-1.2-1.sta0000-1.0.1-B	947.79 Mbps	0 bps	36519175	0	0	111	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-A	0 bps	415.679 Mbps	0	16147356	58	58	34	59.758	16.883	0	59,306,097,918
cv_udp-1.2-1.sta0000-1.0.2-B	1.039 Gbps	0 bps	40125861	0	0	58	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-A	0 bps	408.422 Mbps	0	15930948	44	44	0	59.915	16.665	0	57,323,422,997
cv_udp-1.2-1.sta0000-1.0.3-B	1.027 Gbps	0 bps	39743354	0	0	44	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 256 UDP DUT-RX after test step completed.

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
1.1.22 sta0000	1.482 Gbps	647.264 Mbps	0	2882.3 Mbps	2.402 Gbps	802.11an- BE 160 2x2	36	71	-33	8c:90:20:00:3c:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	1.858 Gbps	1.33 Gbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	469.072 Mbps	0 bps	17855168	0	0	26	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.0-B	0 bps	468.767 Mbps	0	17845895	26	26	0	63.592	0	11,345,256	11,349,175
cv_udp-1.2-1.sta0000-1.0.1-A	469.009 Mbps	0 bps	17849088	0	0	22	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-B	0 bps	468.47 Mbps	0	17833287	22	22	0	63.652	0	11,345,546	11,356,526
cv_udp-1.2-1.sta0000-1.0.2-A	470.984 Mbps	0 bps	17924544	0	0	23	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-B	0 bps	470.621 Mbps	0	17916875	23	23	0	64.154	0	11,491,638	11,496,257
cv_udp-1.2-1.sta0000-1.0.3-A	470.917 Mbps	0 bps	17924242	0	0	17	0	0	0	0	0

cv_udp-1.2-1.sta0000-1.0.3-B	0 bps	470.856 Mbps	0	17921251	17	17	0	63.764	0	11,426,381	11,432,256
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HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 512 UDP DUT-TX after test step completed.

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
1.1.22 sta0000	857.6 Mbps	1.514 Gbps	0	2882.3 Mbps	2.882 Gbps	802.11an-BE 160 2x2	36	71	-31	8C:98:2D:80:3C:81	192.168.0.75	78:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	4.864 Gbps	972.323 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	0 bps	569.456 Mbps	0	9980935	14	14	0	69.872	22.398	0	19,106,165,399
cv_udp-1.2-1.sta0000-1.0.0-B	2.002 Gbps	0 bps	35118947	0	0	14	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-A	0 bps	572.955 Mbps	0	10067494	46	46	36	71.542	22.190	0	18,686,253,835
cv_udp-1.2-1.sta0000-1.0.1-B	2.013 Gbps	0 bps	35376614	0	0	46	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-A	0 bps	584.338 Mbps	0	10208182	40	40	0	71.599	22.550	0	19,160,051,580
cv_udp-1.2-1.sta0000-1.0.2-B	2.055 Gbps	0 bps	35942541	0	0	40	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-A	0 bps	571.747 Mbps	0	10179758	12	12	0	71.586	22.682	0	19,142,731,627
cv_udp-1.2-1.sta0000-1.0.3-B	2.013 Gbps	0 bps	35826272	0	0	12	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 512 UDP DUT-RX after test step completed.

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
1.1.22 sta0000	1.357 Gbps	1.037 Gbps	0	2882.3 Mbps	2.402 Gbps	802.11an-BE 160 2x2	36	71	-33	8C:98:2D:80:3C:81	192.168.0.75	78:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	15.52 Kbps	2.303 Gbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000-1.0.0-A	540.583 Mbps	0 bps	9404320	0	0	28	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.0-B	0 bps	540.634 Mbps	0	9402653	28	28	0	48.001	0	4,512,517	4,481,281
cv_udp-1.2-1.sta0000-1.0.1-A	546.903 Mbps	0 bps	9453216	0	0	27	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.1-B	0 bps	546.68 Mbps	0	9450769	27	27	0	46.180	0	4,363,083	4,331,816
cv_udp-1.2-1.sta0000-1.0.2-A	546.704 Mbps	0 bps	9469760	0	0	30	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.2-B	0 bps	546.722 Mbps	0	9470045	30	30	0	45.522	0	4,311,133	4,282,621
cv_udp-1.2-1.sta0000-1.0.3-A	550.72 Mbps	0 bps	9534656	0	0	26	0	0	0	0	0
cv_udp-1.2-1.sta0000-1.0.3-B	0 bps	550.816 Mbps	0	9538624	26	26	0	45.643	0	4,355,878	4,327,985

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 1024 UDP DUT-TX after test step completed.

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
1.1.22 sta0000	9.172 Kbps	2.549 Gbps	0	2882.3 Mbps	2.882 Gbps	802.11an-BE 160 2x2	36	71	-36	8C:98:2D:80:3C:81	192.168.0.75	78:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	8.65 Gbps	181.45 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000--1.0.0-A	0 bps	608.624 Mbps	0	5044080	60	60	0	73.548	17.623	0	3,132,750,854
cv_udp-1.2-1.sta0000--1.0.0-B	2,317 Gbps	0 bps	19198250	0	0	60	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.1-A	0 bps	617.167 Mbps	0	5110750	31	31	0	73.737	18.380	0	3,319,443,786
cv_udp-1.2-1.sta0000--1.0.1-B	2,351 Gbps	0 bps	19459895	0	0	31	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.2-A	0 bps	621.789 Mbps	0	5160192	49	49	2	73.698	18.217	0	3,206,741,898
cv_udp-1.2-1.sta0000--1.0.2-B	2,364 Gbps	0 bps	19618711	0	0	49	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.3-A	0 bps	612.772 Mbps	0	5094939	36	36	0	73.693	18.213	0	3,274,049,925
cv_udp-1.2-1.sta0000--1.0.3-B	2,331 Gbps	0 bps	19367415	0	0	36	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: 1024 UDP DUT-RX after test step completed.

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
1.1.22 sta0000	2.435 Gbps	5.272 Mbps	0	2882.3 Mbps	2.594 Gbps	802.11an-BE 160 2x2	36	71	-33	8C:90:20:00:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	1.526 Gbps	2.037 Gbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000--1.0.0-A	602.983 Mbps	0 bps	5000512	0	0	50	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.0-B	0 bps	602.997 Mbps	0	4999984	50	50	0	22.574	0	1,128,274	1,117,450
cv_udp-1.2-1.sta0000--1.0.1-A	604.128 Mbps	0 bps	5008320	0	0	30	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.1-B	0 bps	604.198 Mbps	0	5010348	30	30	0	22.478	0	1,127,790	1,117,198
cv_udp-1.2-1.sta0000--1.0.2-A	602.878 Mbps	0 bps	5001248	0	0	46	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.2-B	0 bps	602.937 Mbps	0	5001008	46	46	0	22.596	0	1,129,826	1,119,401
cv_udp-1.2-1.sta0000--1.0.3-A	604.054 Mbps	0 bps	5009216	0	0	43	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.3-B	0 bps	603.884 Mbps	0	5009488	43	43	0	22.485	0	1,126,593	1,116,129

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: MTU UDP DUT-TX after test step completed.

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
1.1.22 sta0000	140.881 Mbps	2,317 Gbps	0	2882.3 Mbps	2.882 Gbps	802.11an-BE 160 2x2	36	71	-36	8C:90:20:00:3C:81	192.168.0.75	70:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	7.484 Gbps	534.26 Mbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000--1.0.0-A	0 bps	618.17 Mbps	0	3461866	39	39	0	73.852	15.961	0	1,261,797,211
cv_udp-1.2-1.sta0000--1.0.0-B	2,389 Gbps	0 bps	13386766	0	0	39	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.1-A	0 bps	618.293 Mbps	0	3471662	53	53	0	74.161	15.960	0	1,298,372,359
cv_udp-1.2-1.sta0000--1.0.1-B	2,391 Gbps	0 bps	13435856	0	0	53	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.2-A	0 bps	619.855 Mbps	0	3472591	34	34	0	73.991	16.340	0	1,313,689,432
cv_udp-1.2-1.sta0000--1.0.2-B	2,382 Gbps	0 bps	13351670	0	0	34	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.3-A	0 bps	626.584 Mbps	0	3528950	39	39	0	74.030	16.463	0	1,329,090,750
cv_udp-1.2-1.sta0000--1.0.3-B	2,413 Gbps	0 bps	13588337	0	0	39	0	0	0	0	0

HTML snapshot tables for ports, MLO Links and endpoints.

Snapshot Loop: 1 Payload: MTU UDP DUT-RX after test step completed.

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
1.1.22 sta0000	2.077 Gbps	391.278 Mbps	0	2882.3 Mbps	2.594 Gbps	802.11an- BE 160 2x2	36	71	-33	8c:98:2d:00:3c:81	192.168.0.75	78:15:fb:cb:ac:78

Port	Tx-Bps 1m	Rx-Bps 1m	Link-Rate	IP	MAC
1.1.2 eth2	2.73 Gbps	1.76 Gbps	10 Gbps	192.168.0.42	9c:69:b4:60:ab:5a

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_udp-1.2-1.sta0000--1.0.0-A	614.764 Mbps	0 bps	3400320	0	0	53	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.0-B	0 bps	614.808 Mbps	0	3400290	53	53	0	15.684	0	533,267	533,267
cv_udp-1.2-1.sta0000--1.0.1-A	614.993 Mbps	0 bps	3400012	0	0	53	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.1-B	0 bps	614.809 Mbps	0	3400605	53	53	0	15.692	0	534,127	534,127
cv_udp-1.2-1.sta0000--1.0.2-A	614.618 Mbps	0 bps	3400364	0	0	33	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.2-B	0 bps	614.81 Mbps	0	3400972	33	33	0	15.691	0	534,171	534,171
cv_udp-1.2-1.sta0000--1.0.3-A	614.91 Mbps	0 bps	3402212	0	0	44	0	0	0	0	0
cv_udp-1.2-1.sta0000--1.0.3-B	0 bps	614.808 Mbps	0	3401533	44	44	0	15.712	0	533,870	533,870

[Key Performance Indicators CSV](#)

Test configuration and LANforge software version	
AP Tx Power:	0
Path Loss	0
Requested Speed	10Gbps
Requested Opposite Speed	0Kbps
Multi-Conn	1
Multi-Cx	4
Armageddon Multi-Pkt	1000
Stop After Failures:	3
ToS	0
Station Bringup Wait:	30 sec (30 s)
First Byte Wait:	30 sec (30 s)
Duration:	1 min (1 m)
Settle Time:	1 sec (1 s)
Delay Before CX Start:	NONE (0 ms)
Send Buffer Size:	OS Default
Receive Buffer Size:	OS Default
RvR Helper Script:	
P2P App:	
Channels	AUTO
Spatial Streams	AUTO
Bandwidth	AUTO
Attenuator-1	0
Attenuation-1	0..+500..500
Attenuator-2	0
Attenuation-2	0..+50..950
Turntable Chamber	0
Turntable Angles	0..+45..359

Modes	No-Change
Packet Size	60, 142, 256, 512, 1024, MTU
Custom Packet Size	MTU
Security	AUTO
Traffic Type	UDP
Direction	DUT Transmit, DUT Receive
Upstream Port	1.1.eth2 Firmware: 0x80000aef, 1.1876.0 Resource: ct523c-3011
WiFi Port	1.1.sta0000 Resource: ct523c-3011
Continuous Traffic	false
Maximize Unused Attenuators	true
Admin Down Other Ports	false
Admin Down Test Ports	false
DUT Connects to Mgt Port	false
UDP-Burst	true
UDP-GRO	true
Use Iperf3	false
Use Iperf2	false
Modify Interop WiFi	false
No DHCP Lease Expected	false
No Station Expected	false
Pause on WiFi Errors	false
Outer Loop is Attenuation	false
Show Events	true
Auto Save Report	true
Ignore Upstream RSSI	false
Pass-Fail Tput Criteria	
Build Date	Thu Jun 18 12:43:06 PM PDT 2026
Build Version	5.5.3
Git Version	df4624a00367bedf5d58b0e601e69b5d91619ef6

Log Entires

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[META Information for Dataplane Test](#)