

Dataplane Test



Wed Feb 16 03:09:13 PST 2022

Test Setup Information				
Device Under Test	Name	cisco9130axe		
	Software Version	17.7.1.11	Hardware Version	cisco9130axe
	Model Number	cisco9130axe	Serial Number	FJC2428146G
	SSIDs			
	Passwords			
	BSSIDs			
	Notes	[BLANK]		

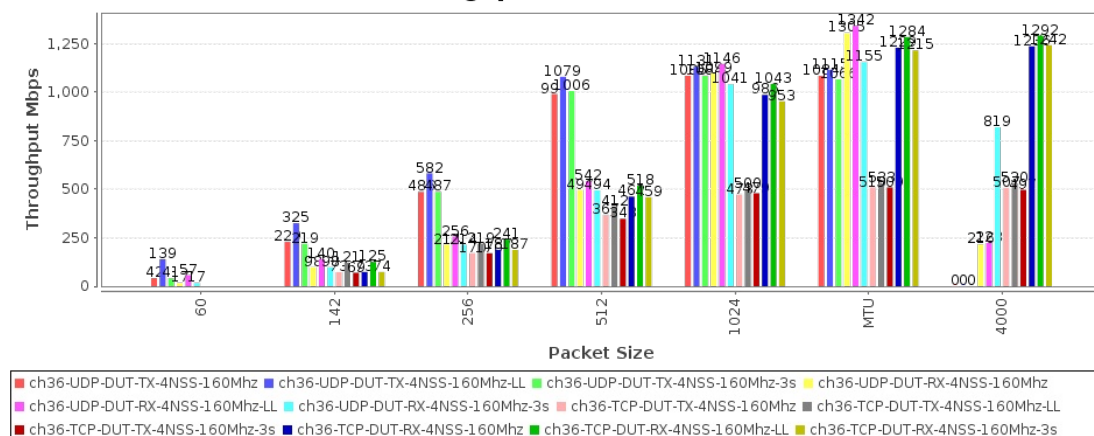
Objective

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.

Throughput for each different traffic type. Datasets with names ending in '-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.

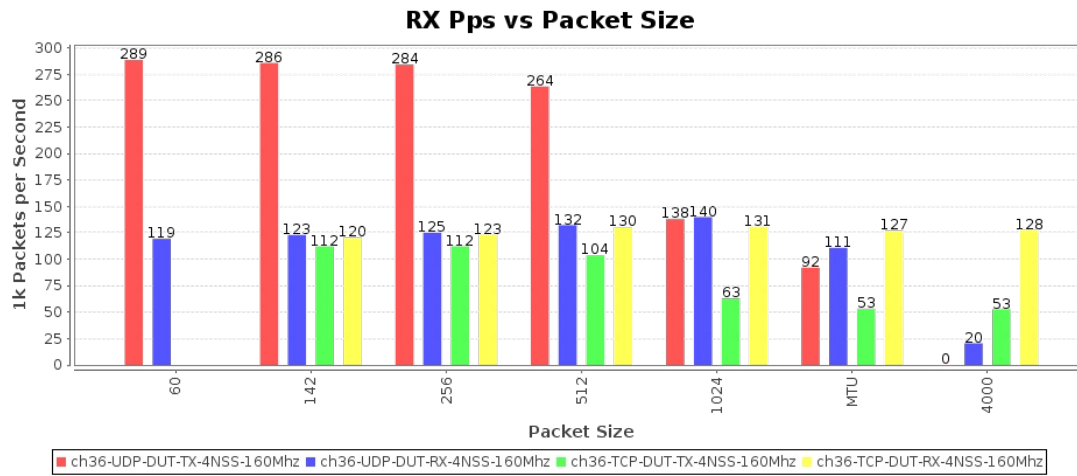
[CSV Data for Throughput vs Packet Size](#)

Throughput vs Packet Size



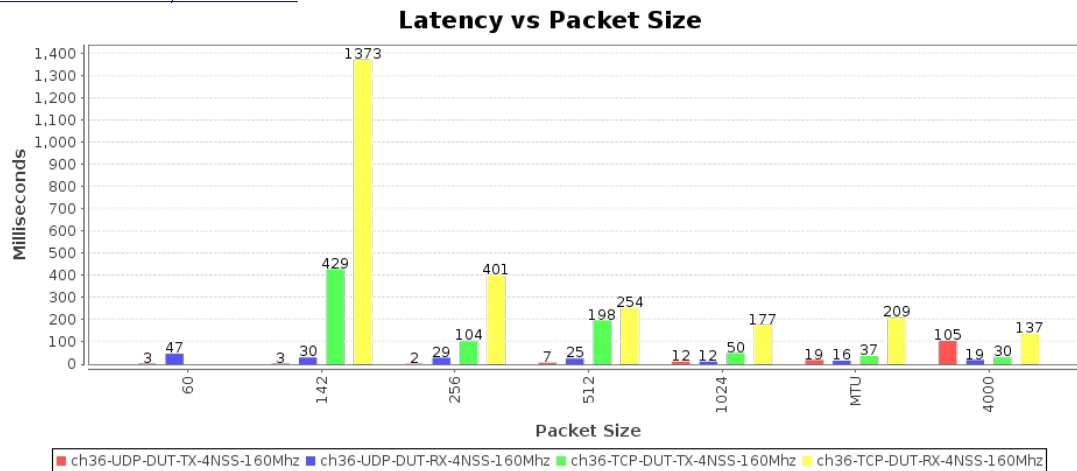
Pps throughput for each different traffic type. The values are estimated packets-per-second over the DUT, but some protocols such as TCP make this difficult to know for certain, so the value is extrapolated.

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



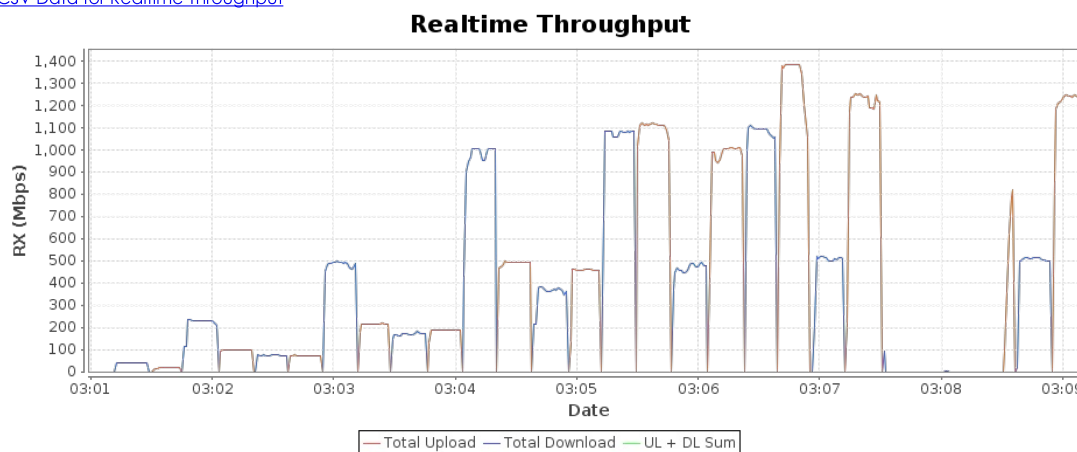
Latency for each different traffic type. If opposite-direction traffic is non-zero, then round-trip time will be reported. Otherwise, one-way latency will be reported.

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



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](#)



Test Information

Message
Starting dataplane test with: 28 iterations.
Skipping packet size not supported by TCP: 60

Skipping packet size not supported by TCP: 60

Constant values related to the table below.

Iteration-Duration 15s

CSV data focussed 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 Station, so Tx-Rate is the Station transmit Phy Rate, and Rx-Rate is the Phy Rate received by the station. Rpt-Mode is negotiated mode, not necessarily Phy Rate mode.

Channel	Frequency	Security	NSS	Cfg-Mode	Bandwidth	Pkt	Traffic-Type	Direction	Atten	Rotation	Offered-1m	Rx-Bps	Rx-Bps-1m	Rx-Bps-LL	Rx-Bps-3s	RSSI	Tx-Failed	Tx-Failed%	Tx-Rate	Rx-Rate	Rpt-Mode	Rpt-Mode-Brief
36	5180	WPA2	4	AUTO	160	60	UDP	DUT-TX	NA	NA	94.617 Mbps	41.357 Mbps	41.56 Mbps	138.534 Mbps	41.452 Mbps	-52	0 / 9848884	0	390.2 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	60	UDP	DUT-RX	NA	NA	17.231 Mbps	17.079 Mbps	17.181 Mbps	57.268 Mbps	17.072 Mbps	-48	0 / 1789246	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	142	UDP	DUT-TX	NA	NA	460.987 Mbps	228.224 Mbps	228.605 Mbps	324.619 Mbps	219.151 Mbps	-53	0 / 9040038	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	142	UDP	DUT-RX	NA	NA	98.407 Mbps	98.379 Mbps	98.393 Mbps	139.717 Mbps	98.382 Mbps	-48	0 / 1854248	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	142	TCP	DUT-TX	NA	NA	74.687 Mbps	72.683 Mbps	72.795 Mbps	121.277 Mbps	69.498 Mbps	-52	0 / 1813584	0	1300 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	142	TCP	DUT-RX	NA	NA	75.142 Mbps	73.413 Mbps	73.46 Mbps	125.487 Mbps	73.596 Mbps	-53	0 / 1820683	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	256	UDP	DUT-TX	NA	NA	1.102 Gbps	485.732 Mbps	486.494 Mbps	581.974 Mbps	486.933 Mbps	-53	0 / 9703929	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	256	UDP	DUT-RX	NA	NA	214.805 Mbps	214.006 Mbps	214.364 Mbps	256.436 Mbps	213.944 Mbps	-49	0 / 2000376	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	256	TCP	DUT-TX	NA	NA	169.802 Mbps	170.276 Mbps	170.276 Mbps	218.769 Mbps	170.139 Mbps	-53	0 / 1690670	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	256	TCP	DUT-RX	NA	NA	192.415 Mbps	187.411 Mbps	240.654 Mbps	240.654 Mbps	187.2 Mbps	-53	0 / 1870160	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	512	UDP	DUT-TX	NA	NA	2.362 Gbps	986.894 Mbps	990.826 Mbps	1.079 Gbps	1.006 Gbps	-53	0 / 9771837	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	512	UDP	DUT-RX	NA	NA	497.232 Mbps	494.728 Mbps	497.239 Mbps	541.673 Mbps	494.492 Mbps	-48	0 / 1984259	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	512	TCP	DUT-TX	NA	NA	370.337 Mbps	364.964 Mbps	367.05 Mbps	411.826 Mbps	347.531 Mbps	-53	0 / 1548904	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	512	TCP	DUT-RX	NA	NA	465.755 Mbps	458.619 Mbps	461.882 Mbps	518.247 Mbps	458.757 Mbps	-53	0 / 1982280	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	1024	UDP	DUT-TX	NA	NA	2.965 Gbps	1.076 Gbps	1.085 Gbps	1.131 Gbps	1.084 Gbps	-53	0 / 5669355	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	1024	UDP	DUT-RX	NA	NA	1.099 Gbps	1.099 Gbps	1.099 Gbps	1.146 Gbps	1.041 Gbps	-49	0 / 2112660	0	1560 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	1024	TCP	DUT-TX	NA	NA	474.313 Mbps	472.185 Mbps	472.697 Mbps	499.921 Mbps	479.357 Mbps	-53	0 / 933518	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	1024	TCP	DUT-RX	NA	NA	991.262 Mbps	984.135 Mbps	986.271 Mbps	1.043 Gbps	953.138 Mbps	-53	0 / 2193207	0	1560 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	MTU	UDP	DUT-TX	NA	NA	2.948 Gbps	1.083 Gbps	1.084 Gbps	1.115 Gbps	1.066 Gbps	-53	0 / 3861080	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	MTU	UDP	DUT-RX	NA	NA	1.305 Gbps	1.303 Gbps	1.305 Gbps	1.342 Gbps	1.155 Gbps	-49	0 / 1668414	0	1560 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	MTU	TCP	DUT-TX	NA	NA	510.957 Mbps	508.718 Mbps	509.703 Mbps	532.573 Mbps	509.362 Mbps	-53	0 / 779393	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	MTU	TCP	DUT-RX	NA	NA	1.244 Gbps	1.227 Gbps	1.229 Gbps	1.284 Gbps	1.215 Gbps	-54	0 / 2125860	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	4000	UDP	DUT-TX	NA	NA	2.939 Gbps	479.159 Kbps	479.662 Kbps	494.932 Kbps	0 bps	-53	0 / 12650169	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	4000	UDP	DUT-RX	NA	NA	1.24 Gbps	215.659 Mbps	216.116 Mbps	222.996 Mbps	819.496 Mbps	-49	0 / 1767423	0	1300 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	4000	TCP	DUT-TX	NA	NA	507.512 Mbps	506.53 Mbps	507.469 Mbps	530.243 Mbps	496.613 Mbps	-53	0 / 797307	0	1560 Mbps	1.3 Gbps	802.11an-AC	802.11ac
36	5180	WPA2	4	AUTO	160	4000	TCP	DUT-RX	NA	NA	1.241 Gbps	1.233 Gbps	1.236 Gbps	1.292 Gbps	1.242 Gbps	-53	0 / 2127467	0	1733.3 Mbps	1.3 Gbps	802.11an-AC	802.11ac

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 Station, so Tx-MCS is MCS at which station is sending to the AP, and Rx-MCS is MCS at which the AP is sending to the station.

Channel	Frequency	Security	NSS	Cfg-Mode	Bandwidth	Pkt	Traffic-Type	Direction	Tx-Mode-Rpt	Tx-NSS-Rpt	Tx-MCS	Tx-BW-Rpt	Rx-Mode-Rpt	Rx-NSS-Rpt	Rx-MCS	Rx-BW-Rpt	RSSI dBm	Tx-Phy-Rate		Rx-Phy-Rate	
36	5180	WPA2	4	AUTO	160	60	UDP	DUT-TX	VHT	4	2	80	3	VHT	2	80	-53 [-57, -62, -53, -58]	390.2 MBit/s VHT-MCS 2 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	60	UDP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-49 [-57, -62, -53, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	142	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-53 [-56, -62, -53, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	142	UDP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-48 [-57, -63, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	142	TCP	DUT-TX	VHT	3	9	80	3	VHT	9	80	-54 [-57, -63, -54, -58]	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1170.0 MBit/s VHT-MCS 8 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	142	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-54 [-56, -63, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	256	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-58, -62, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	256	UDP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-49 [-58, -63, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	256	TCP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-58, -63, -54, -59]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3

36	5180	WPA2	4	AUTO	160	256	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-53 [-56, -53, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	512	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-57, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	512	UDP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-49 [-57, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	512	TCP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-53 [-58, -53, -57]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	512	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-54 [-58, -53, -59]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	1024	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-53 [-58, -53, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	1024	UDP	DUT-RX	VHT	4	8	80	3	VHT	8	80	-49 [-57, -52, -58]	1560.0 MBit/s VHT-MCS 8 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	1024	TCP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-59, -54, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	1024	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-53 [-58, -53, -59]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	MTU	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-58, -54, -59]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	MTU	UDP	DUT-RX	VHT	4	8	80	3	VHT	8	80	-50 [-57, -52, -58]	1560.0 MBit/s VHT-MCS 8 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	MTU	TCP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-59, -54, -59]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	MTU	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-53 [-58, -53, -58]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	4000	UDP	DUT-TX	VHT	4	9	80	3	VHT	9	80	-54 [-59, -54, -60]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	4000	UDP	DUT-RX	VHT	4	7	80	3	VHT	7	80	-50 [-58, -53, -59]	1300.0 MBit/s VHT-MCS 7 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	4000	TCP	DUT-TX	VHT	4	8	80	3	VHT	8	80	-53 [-57, -53, -59]	1560.0 MBit/s VHT-MCS 8 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3
36	5180	WPA2	4	AUTO	160	4000	TCP	DUT-RX	VHT	4	9	80	3	VHT	9	80	-54 [-59, -54, -60]	1733.3 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 4	1300.0 MBit/s VHT-MCS 9 80MHz short GI VHT-NSS 3

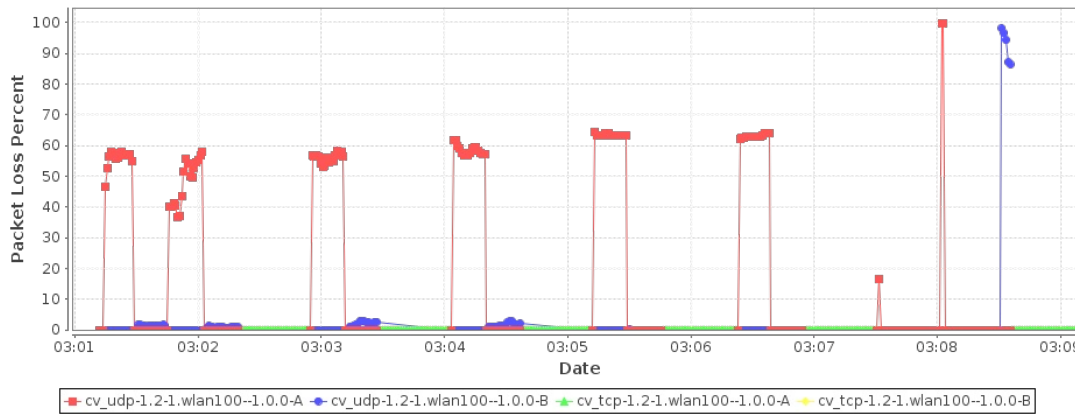
Brief csv report, may be imported into third-party tools.

Step Index	Position [Deg]	Attenuation [dB]	Throughput [Mbps]	Beacon RSSI [dBm]	Data RSSI [dBm]
0	NA	0	41.36	-47	-52
1	NA	0	17.08	-48	-48
2	NA	0	228.22	-48	-53
3	NA	0	98.38	-48	-48
4	NA	0	72.68	-48	-52
5	NA	0	73.41	-49	-53
6	NA	0	485.73	-49	-53
7	NA	0	214.01	-49	-49
8	NA	0	169.80	-48	-53
9	NA	0	186.93	-48	-53
10	NA	0	986.89	-48	-53
11	NA	0	494.73	-48	-48
12	NA	0	364.96	-49	-53
13	NA	0	458.62	-49	-53
14	NA	0	1,076.30	-49	-53
15	NA	0	1,099.00	-49	-49
16	NA	0	472.18	-49	-53
17	NA	0	984.13	-49	-53
18	NA	0	1,083.47	-49	-53
19	NA	0	1,303.31	-49	-49
20	NA	0	508.72	-49	-53
21	NA	0	1,226.85	-49	-54
22	NA	0	0.48	-49	-53
23	NA	0	215.66	-49	-49
24	NA	0	506.53	-49	-53
25	NA	0	1,233.31	-49	-53

Packet Loss Percentage graph shows the percentage of lost packets as detected by the receiving endpoint due to packet gaps. If there is full packet loss, then this will not report any loss since there will be no gap to detect. TCP protocol tests will never show drops since the TCP protocol will retransmit any lost frames.

[CSV Data for Endpoint RX Packet Loss Percentage](#)

Endpoint RX Packet Loss Percentage



Test configuration and LANforge software version	
AP Tx Power:	0
Path Loss	10
Requested Speed	85%
Requested Opposite Speed	0
Multi-Conn	1
Armageddon Multi-Pkt	1000
ToS	0
Station Bringup Wait:	30 sec (30 s)
First Byte Wait:	30 sec (30 s)
Duration:	15 sec (15 s)
Settle Time:	1 sec (1 s)
Send Buffer Size:	OS Default
Receive Buffer Size:	OS Default
RvR Helper Script:	
Channels	AUTO
Spatial Streams	AUTO
Bandwidth	No-Change
Attenuator-1	0
Attenuation-1	0..+50..950
Attenuator-2	0
Attenuation-2	0..+50..950
Turntable Chamber	0
Turntable Angles	0..+45..359
Modes	Auto
Packet Size	60, 142, 256, 512, 1024, MTU, 4000
Security	AUTO
Traffic Type	UDP, TCP
Direction	DUT Transmit, DUT Receive
Upstream Port	1.1.eth2 Firmware: 0x80000aef, 1.1876.0 Resource: ct523c-3011
WiFi Port	1.1.wlan100 Firmware: 10.4b-ct-9984-xtH-13-b1b524c8e5 Resource: ct523c-3011
Outer Loop is Attenuation	false
Show Events	true
Auto Save Report	true
Pass-Fail Tput Criteria	
Build Date	Thu 13 Jan 2022 01:27:32 PM PST
Build Version	5.4.4
Git Version	c419229103db6f1917b40d5169b2c9926b273e51

[Key Performance Indicators CSV](#)

[META Information for Dataplane Test](#)

Generated by Candela Technologies LANforge network testing tool.
www.candelatech.com

