

Rate vs Range Test



Fri Jul 09 03:44:10 PDT 2021

Test Setup Information				
Device Under Test	Name	advanced-02		
	Software Version	eap102-2021-06-25-pending-b6743c3.tar.g	Hardware Version	eap102
	Model Number	eap102	Serial Number	903cb39d6959
	SSIDs	ssid_wpa2_2g		
	Passwords	something		
	BSSIDs	90:3c:b3:9d:6b:01		
	Notes	[BLANK]		

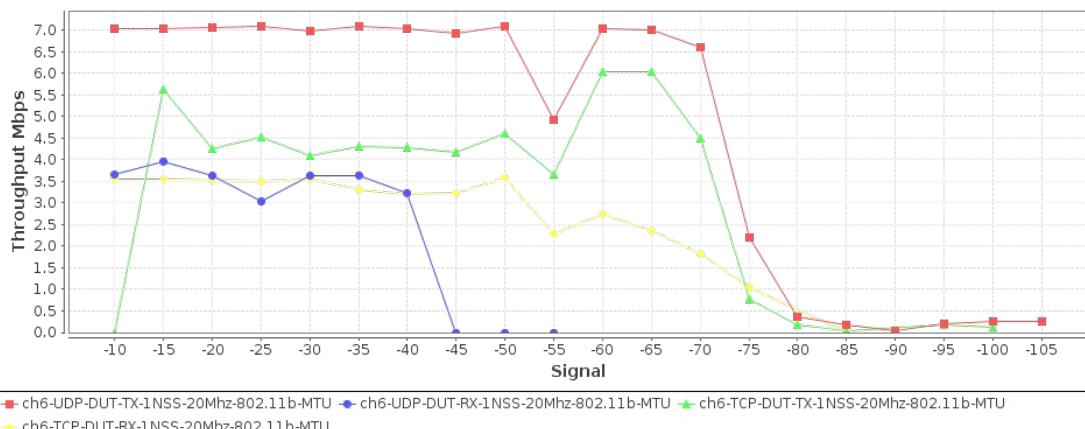
Objective

This test measures the performance over distance of the Device Under Test. Distance is emulated using programmable attenuation and a throughput test is run at each distance/RSSI step and plotted on a chart. The test allows the user to plot RSSI curves both upstream and downstream for different types of traffic and different station types.

Throughput vs calculated RF Signal for each different traffic type. The signal is calculated based on the configured path-loss, transmit power, and attenuation.

[CSV Data for Throughput vs Calculated Signal](#)

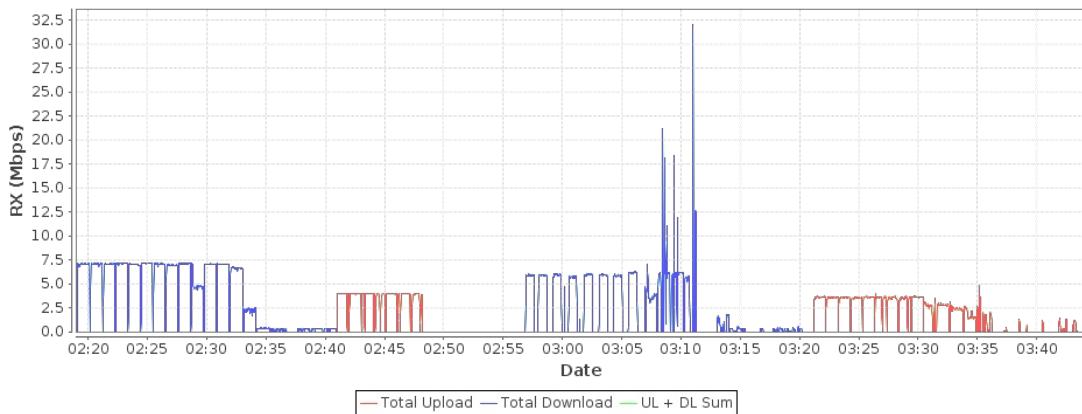
Throughput vs Calculated Signal



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 Throughput



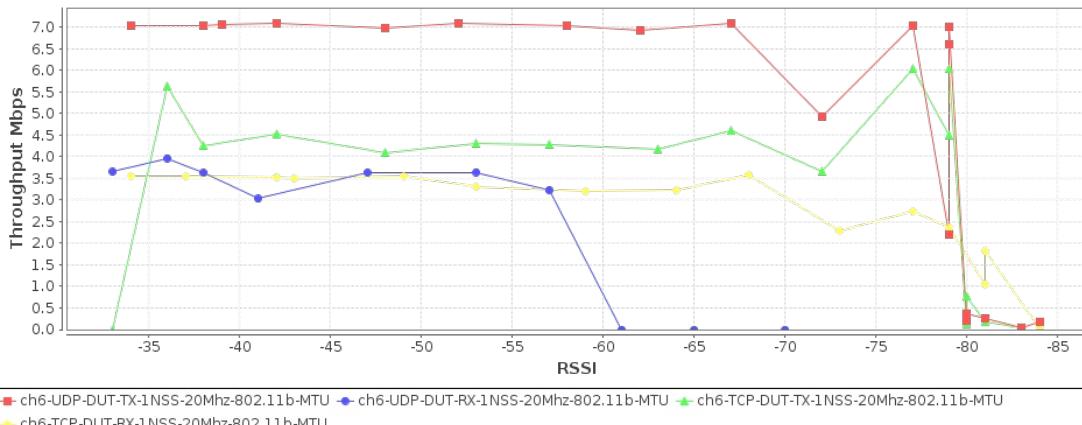
Test Information

Message
Starting Rate vs Range test with: 80 iterations.

Throughput vs reported RSSI for each different traffic type. Please note that the LANforge RSSI may be similar to the remote Device Under Test RSSI but there is no guarantee of this. Differences in tx-power and RF splitter/combiners can cause different RSSI as reported by LANforge and the remote peer device.

[CSV Data for Throughput vs LANforge RSSI](#)

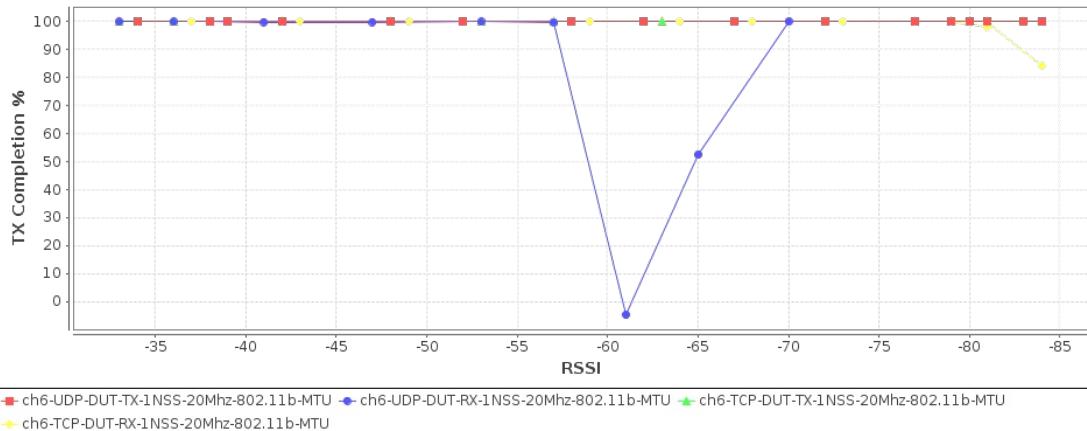
Throughput vs LANforge RSSI



TX Completion vs LANforge RSSI for each MCS Encoding Rate. Please note that the LANforge RSSI may be similar to the remote Device Under Test RSSI but there is no guarantee of this. Differences in tx-power and RF splitter/combiners can cause different RSSI as reported by LANforge and the remote peer device.

[CSV Data for TX Completion vs LANforge RSSI](#)

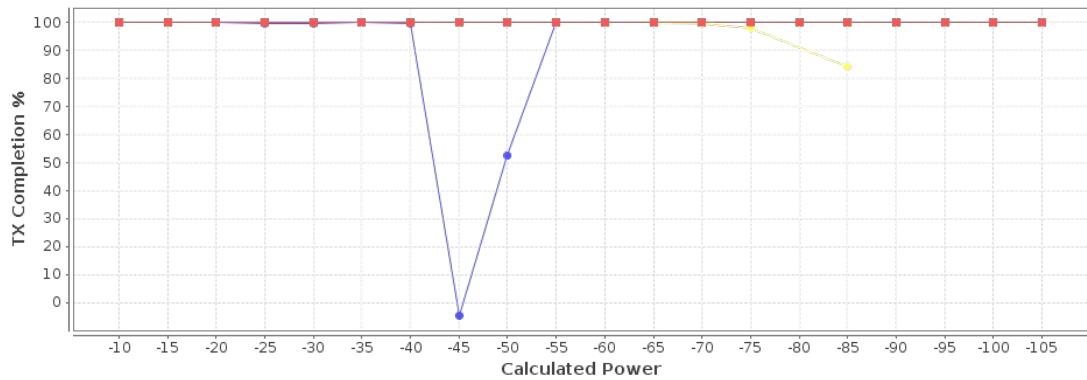
TX Completion vs LANforge RSSI



TX Completion vs Calculated Signal Power for each MCS Encoding Rate.

[CSV Data for TX Completion vs Calculated Power](#)

TX Completion vs Calculated Power



Channel	Frequency	Security	NSS	Cfg-Mode	Bandwidth	Pkt	Traffic-Type	Direction	Atten	Rotation	Duration	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
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	0	NA	60	9.213 Mbps	7.047 Mbps	7.05 Mbps	7.251 Mbps	7.066 Mbps	-34	0 / 46832	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	5.0	NA	60	9.221 Mbps	6.852 Mbps	7.054 Mbps	7.255 Mbps	7.066 Mbps	-38	0 / 50011	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	10.0	NA	60	9.217 Mbps	6.866 Mbps	7.061 Mbps	7.262 Mbps	7.075 Mbps	-39	0 / 49425	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	15.0	NA	60	9.216 Mbps	6.89 Mbps	7.086 Mbps	7.288 Mbps	7.098 Mbps	-42	0 / 48089	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	20.0	NA	60	9.215 Mbps	6.804 Mbps	6.998 Mbps	7.198 Mbps	6.874 Mbps	-48	0 / 48629	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	25.0	NA	60	9.215 Mbps	6.906 Mbps	7.104 Mbps	7.307 Mbps	7.11 Mbps	-52	0 / 48002	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	30.0	NA	60	9.217 Mbps	6.868 Mbps	7.051 Mbps	7.252 Mbps	7.063 Mbps	-58	0 / 49440	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	35.0	NA	60	9.217 Mbps	6.731 Mbps	6.926 Mbps	7.123 Mbps	6.82 Mbps	-62	0 / 48581	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	40.0	NA	60	9.216 Mbps	6.902 Mbps	7.083 Mbps	7.285 Mbps	7.092 Mbps	-67	0 / 49530	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	45.0	NA	60	9.218 Mbps	4.804 Mbps	4.944 Mbps	5.085 Mbps	4.876 Mbps	-72	0 / 48413	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	50.0	NA	60	9.214 Mbps	7.028 Mbps	7.028 Mbps	7.229 Mbps	7.018 Mbps	-77	0 / 47061	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	55.0	NA	60	9.212 Mbps	7.018 Mbps	7.018 Mbps	7.219 Mbps	6.985 Mbps	-79	0 / 47578	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	60.0	NA	60	9.212 Mbps	6.61 Mbps	6.611 Mbps	6.8 Mbps	6.548 Mbps	-79	0 / 47836	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	65.0	NA	60	9.216 Mbps	2.213 Mbps	2.215 Mbps	2.278 Mbps	2.537 Mbps	-79	0 / 48780	0	11 Mbps	5.5 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	70.0	NA	60	9.218 Mbps	353.537 Kbps	354.6 Kbps	364.717 Kbps	328.317 Kbps	-80	0 / 48448	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	75.0	NA	60	9.211 Mbps	166.977 Kbps	165.889 Kbps	170.622 Kbps	0 bps	-84	0 / 47073	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	80.0	NA	60	2.263 Mbps	29.201 Kbps	27.779 Kbps	28.571 Kbps	0 bps	-83	0 / 11757	0	1 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	85.0	NA	60	9.211 Mbps	211.257 Kbps	210.568 Kbps	216.576 Kbps	269.618 Kbps	-80	0 / 47088	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	90.0	NA	60	9.21 Mbps	248.117 Kbps	247.919 Kbps	254.993 Kbps	278.789 Kbps	-81	0 / 47119	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	95.0	NA	60	9.211 Mbps	251.253 Kbps	250.893 Kbps	258.051 Kbps	281.229 Kbps	-80	0 / 47283	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	0	NA	60	7.216 Mbps	3.656 Mbps	3.656 Mbps	3.76 Mbps	3.982 Mbps	-33	32 / 19014	0.168	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	5.0	NA	60	8.142 Mbps	3.973 Mbps	3.973 Mbps	4.086 Mbps	3.975 Mbps	-36	29 / 20614	0.141	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	10.0	NA	60	7.152 Mbps	3.631 Mbps	3.633 Mbps	3.733 Mbps	3.933 Mbps	-38	29 / 18544	0.156	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	15.0	NA	60	5.715 Mbps	3.033 Mbps	3.027 Mbps	3.113 Mbps	0 bps	-41	31 / 15499	0.2	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	20.0	NA	60	7.259 Mbps	3.625 Mbps	3.636 Mbps	3.74 Mbps	3.974 Mbps	-47	41 / 19156	0.214	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-TX	25.0	NA	60	7.206 Mbps	3.649 Mbps	3.647 Mbps	3.752 Mbps	3.991 Mbps	-53	32 / 18983	0.169	11 Mbps	1 Mbps	802.11b	802.11b

6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-RX	30.0	NA	60	6.177 Mbps	3.23 Mbps	3.23 Mbps	3.322 Mbps	3.818 Mbps	-57	16509	0.212	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-RX	35.0	NA	60	133.24 Kbps	0 bps	0 bps	0 bps	0 bps	-61	112 / 107	104.673	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-RX	40.0	NA	60	196.256 Kbps	0 bps	0 bps	0 bps	0 bps	-65	29 / 61	47.541	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	UDP	DUT-RX	45.0	NA	60	203.633 Kbps	0 bps	0 bps	0 bps	0 bps	-70	0 / 32	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	0	NA	60	0 bps	-33	0 / 34	0	11 Mbps	1 Mbps	802.11b	802.11b				
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	5.0	NA	60	9.361 Mbps	5.613 Mbps	5.636 Mbps	5.642 Mbps	2.294 Mbps	-36	0 / 35576	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	10.0	NA	60	7.723 Mbps	3.336 Mbps	4.255 Mbps	4.255 Mbps	0 bps	-38	0 / 42031	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	15.0	NA	60	7.677 Mbps	3.77 Mbps	4.521 Mbps	4.534 Mbps	7.052 Mbps	-42	0 / 44149	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	20.0	NA	60	7.57 Mbps	3.222 Mbps	4.105 Mbps	4.11 Mbps	1.221 Mbps	-48	0 / 40798	0	5.5 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	25.0	NA	60	7.802 Mbps	3.383 Mbps	4.309 Mbps	4.313 Mbps	0 bps	-53	0 / 41689	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	30.0	NA	60	7.751 Mbps	3.368 Mbps	4.289 Mbps	4.294 Mbps	0 bps	-57	0 / 41716	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	35.0	NA	60	7.683 Mbps	3.474 Mbps	4.184 Mbps	4.188 Mbps	0 bps	-63	0 / 41873	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	40.0	NA	60	8.088 Mbps	3.821 Mbps	4.606 Mbps	4.611 Mbps	0 bps	-67	0 / 43350	0	5.5 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	45.0	NA	60	4.716 Mbps	3.677 Mbps	3.665 Mbps	3.709 Mbps	3.835 Mbps	-72	0 / 19604	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	50.0	NA	60	9.128 Mbps	6.036 Mbps	6.038 Mbps	6.116 Mbps	6.103 Mbps	-77	0 / 32252	0	5.5 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	55.0	NA	60	8.321 Mbps	6.027 Mbps	6.033 Mbps	6.079 Mbps	6.006 Mbps	-79	0 / 31583	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	60.0	NA	60	8.294 Mbps	4.508 Mbps	4.503 Mbps	4.59 Mbps	0 bps	-79	0 / 34023	0	5.5 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	65.0	NA	60	757.914 Kbps	779.373 Kbps	768.949 Kbps	772.776 Kbps	1.214 Mbps	-80	0 / 4234	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	70.0	NA	60	407.643 Kbps	184.254 Kbps	184.55 Kbps	186.186 Kbps	279.786 Kbps	-80	0 / 1369	0	1 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	75.0	NA	60	104.911 Kbps	31.667 Kbps	29.447 Kbps	29.476 Kbps	0 bps	-83	0 / 421	0	1 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	80.0	NA	60	211.329 Kbps	44.193 Kbps	43.706 Kbps	43.742 Kbps	0 bps	0	0 / 571	0	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	85.0	NA	60	307.871 Kbps	184.479 Kbps	183.519 Kbps	185.048 Kbps	222.093 Kbps	-81	0 / 1141	0	1 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	90.0	NA	60	280.436 Kbps	131.725 Kbps	130.55 Kbps	132.056 Kbps	279.786 Kbps	-80	0 / 1097	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-TX	95.0	NA	60	238.632 Kbps	45.548 Kbps	43.904 Kbps	43.94 Kbps	0 bps	0	0 / 623	0	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	0	NA	60	3.562 Mbps	3.56 Mbps	3.562 Mbps	3.578 Mbps	3.574 Mbps	-34	0 / 18510	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	5.0	NA	60	3.556 Mbps	3.532 Mbps	3.541 Mbps	3.557 Mbps	3.566 Mbps	-37	1 / 18951	0.005	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	10.0	NA	60	3.568 Mbps	3.537 Mbps	3.544 Mbps	3.556 Mbps	3.529 Mbps	-42	1 / 18345	0.005	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	15.0	NA	60	3.488 Mbps	3.495 Mbps	3.494 Mbps	3.51 Mbps	3.538 Mbps	-43	0 / 18389	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	20.0	NA	60	3.552 Mbps	3.556 Mbps	3.557 Mbps	3.572 Mbps	3.627 Mbps	-49	1 / 18728	0.005	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	25.0	NA	60	3.303 Mbps	3.294 Mbps	3.302 Mbps	3.318 Mbps	3.585 Mbps	-53	10 / 17005	0.059	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	30.0	NA	60	3.192 Mbps	3.196 Mbps	3.198 Mbps	3.213 Mbps	2.962 Mbps	-59	11 / 16850	0.065	5.5 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	35.0	NA	60	3.215 Mbps	3.216 Mbps	3.217 Mbps	3.232 Mbps	3.571 Mbps	-64	11 / 16699	0.066	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	40.0	NA	60	3.61 Mbps	3.592 Mbps	3.594 Mbps	3.61 Mbps	3.562 Mbps	-68	0 / 18904	0	11 Mbps	11 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	45.0	NA	60	2.325 Mbps	2.299 Mbps	2.296 Mbps	2.305 Mbps	3.391 Mbps	-73	20 / 11946	0.167	11 Mbps	2 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	50.0	NA	60	2.761 Mbps	2.728 Mbps	2.734 Mbps	2.744 Mbps	2.628 Mbps	-77	1 / 14537	0.007	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	55.0	NA	60	2.348 Mbps	2.362 Mbps	2.352 Mbps	2.363 Mbps	2.263 Mbps	-79	0 / 12570	0	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	60.0	NA	60	1.808 Mbps	1.82 Mbps	1.815 Mbps	1.826 Mbps	1.511 Mbps	-81	39 / 9396	0.415	11 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	65.0	NA	60	2.034 Mbps	1.067 Mbps	1.053 Mbps	1.072 Mbps	139.893 Kbps	-81	111 / 5780	1.92	1 Mbps	1 Mbps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	70.0	NA	60	1.056 Mbps	226.528 Kbps	211.448 Kbps	211.436 Kbps	0 bps	0	63 / 1890	3.333	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	75.0	NA	60	25.383 Kbps	27.227 Kbps	24.414 Kbps	24.559 Kbps	0 bps	-84	26 / 163	15.951	1 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	80.0	NA	60	0 bps	22.907 Kbps	7.547 Kbps	7.807 Kbps	0 bps	0	15 / 522	2.874	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	85.0	NA	60	30.744 Kbps	46.443 Kbps	37.165 Kbps	37.615 Kbps	0 bps	0	2 / 234	0.855	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	90.0	NA	60	263.774 Kbps	268.301 Kbps	255.834 Kbps	258.961 Kbps	0 bps	0	67 / 1464	4.577	0 Mbps	0 bps	802.11b	802.11b
6	2437	WPA2	1	802.11b	20	MTU	TCP	DUT-RX	95.0	NA	60	264.209 Kbps	222.396 Kbps	215.995 Kbps	218.92 Kbps	0 bps	0	36 / 1201	2.998	0 Mbps	0 bps	802.11b	802.11b

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

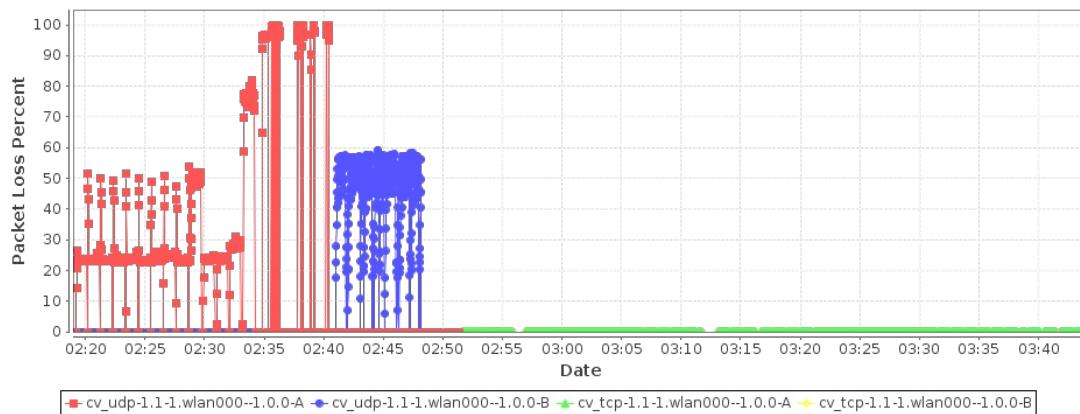
Step Index	Position [Deg]	Attenuation [dB]	Throughput [Mbps]	Beacon RSSI [dBm]	Data RSSI [dBm]
0	NA	0	7.05	-33	-34
1	NA	5.00	6.85	-37	-38
2	NA	10.00	6.87	-38	-39
3	NA	15.00	6.89	-41	-42
4	NA	20.00	6.80	-46	-48
5	NA	25.00	6.91	-51	-52
6	NA	30.00	6.87	-56	-58
7	NA	35.00	6.73	-60	-62
8	NA	40.00	6.90	-66	-67
9	NA	45.00	4.80	-70	-72
10	NA	50.00	7.03	-75	-77
11	NA	55.00	7.02	-79	-79
12	NA	60.00	6.61	-82	-79
13	NA	65.00	2.21	-83	-79
14	NA	70.00	0.35	-83	-80
15	NA	75.00	0.17	-85	-84

16	NA	80.00	0.03	-83	-83
17	NA	85.00	0.21	-84	-80
18	NA	90.00	0.25	-83	-81
19	NA	95.00	0.25	-84	-80
20	NA	0	3.66	-32	-33
21	NA	5.00	3.97	-35	-36
22	NA	10.00	3.63	-37	-38
23	NA	15.00	3.03	-41	-41
24	NA	20.00	3.63	-47	-47
25	NA	25.00	3.65	-51	-53
26	NA	30.00	3.23	-57	-57
27	NA	35.00	0	-61	-61
28	NA	40.00	0	-65	-65
29	NA	45.00	0	-70	-70
30	NA	0	0	-33	-33
31	NA	5.00	5.61	-35	-36
32	NA	10.00	3.34	-35	-38
33	NA	15.00	3.77	-41	-42
34	NA	20.00	3.22	-46	-48
35	NA	25.00	3.38	-52	-53
36	NA	30.00	3.37	-56	-57
37	NA	35.00	3.47	-61	-63
38	NA	40.00	3.82	-66	-67
39	NA	45.00	3.68	-71	-72
40	NA	50.00	6.04	-76	-77
41	NA	55.00	6.03	-80	-79
42	NA	60.00	4.51	-81	-79
43	NA	65.00	0.78	-83	-80
44	NA	70.00	0.18	-83	-80
45	NA	75.00	0.03	-83	-83
46	NA	80.00	0.04	0	0
47	NA	85.00	0.18	-83	-81
48	NA	90.00	0.13	-84	-80
49	NA	95.00	0.05	0	0
50	NA	0	3.56	-31	-34
51	NA	5.00	3.53	-35	-37
52	NA	10.00	3.54	-40	-42
53	NA	15.00	3.50	-42	-43
54	NA	20.00	3.56	-47	-49
55	NA	25.00	3.29	-52	-53
56	NA	30.00	3.20	-57	-59
57	NA	35.00	3.22	-62	-64
58	NA	40.00	3.59	-67	-68
59	NA	45.00	2.30	-72	-73
60	NA	50.00	2.73	-76	-77
61	NA	55.00	2.36	-80	-79
62	NA	60.00	1.82	-83	-81
63	NA	65.00	1.07	-84	-81
64	NA	70.00	0.23	0	0
65	NA	75.00	0.03	-84	-84
66	NA	80.00	0.02	0	0
67	NA	85.00	0.05	0	0
68	NA	90.00	0.27	0	0
69	NA	95.00	0.22	0	0

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.

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

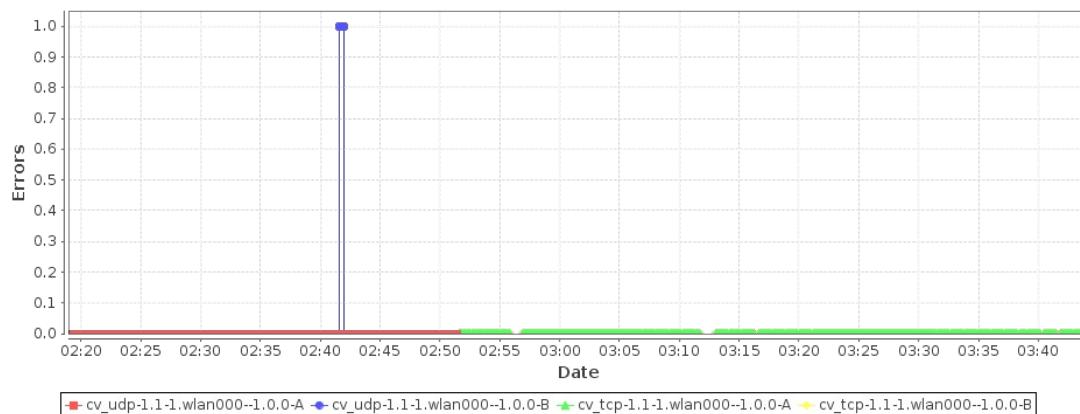
Endpoint RX Packet Loss Percentage



Error Graph shows occurrences of packet errors.

[CSV Data for Rx Errors](#)

Rx Errors



Test configuration and LANforge software version	
Path Loss	10
Requested Speed	85%
Requested Opposite Speed	0
Multi-Conn	1
Armageddon Multi-Pkt	1000
ToS	0
Duration:	1 min (1 m)
Settle Time:	1 sec (1 s)
Send Buffer Size:	OS Default
Receive Buffer Size:	OS Default
Channels	AUTO
Spatial Streams	AUTO
Bandwidth	AUTO
Attenuator-1	1.1.3034
Attenuation-1	0..+50..950
Attenuator-2	0
Attenuation-2	0..+50..950
Turntable Chamber	0
Turntable Angles	0..+45..359
Modes	802.11b
Packet Size	MTU
Security	AUTO

Traffic Type	UDP, TCP
Direction	DUT Transmit, DUT Receive
Upstream Port	1.1.eth1 Firmware: 0. 6-1 Resource: ct523c-ccb0
WiFi Port	1.1.wlan000 Firmware: 10.4b-ct-9984-xtH-13-774502ee5 Resource: ct523c-ccb0
Outer Loop is Attenuation	false
Show Events	true
Auto Save Report	true
Build Date	Mon 07 Jun 2021 07:26:45 AM PDT
Build Version	5.4.3
Git Version	a02ee42f17056fc2425a66b79be72767ca431a0b

[Key Performance Indicators CSV](#)

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