

RFC 2544 Test Report

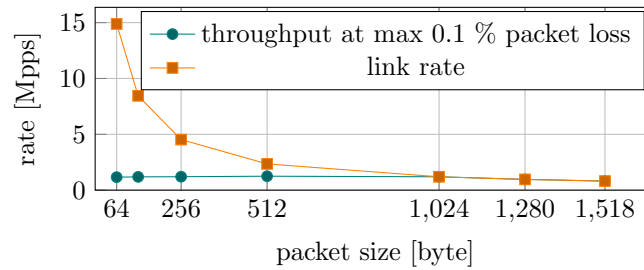
1 General Test Information

Device Under Test: narva
Operating System: FreeBSD narva 10.1-RELEASE FreeBSD 10.1-RELEASE
Date: 2015-10-08

2 Throughput

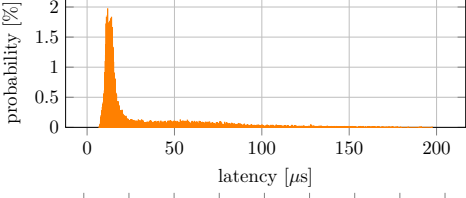
Test Duration: 20 s
Maximal Loss Rate: 0.100 %
Accuracy: 100 Mbps

Frame Size (bytes)	Iteration	Total Tx Frames	Total Rx Frames	Throughput (Mpps)	Throughput (Mbps)
64	1	23277366	23277366	1.164	782.119
128	1	23786784	23786784	1.189	1408.178
256	1	24084711	24084711	1.204	2658.952
512	1	24974964	24974964	1.249	5314.672
1024	1	23946237	23946237	1.197	9999.949
1280	1	19230687	19230687	0.962	9999.957
1518	1	16254819	16254819	0.813	9999.965



3 Latency

Test Duration: 20 s

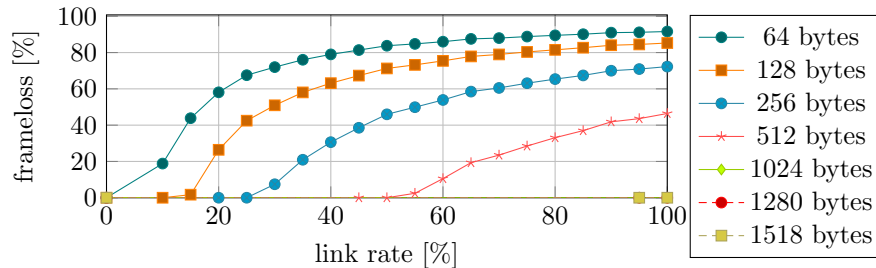
Frame Size (bytes)	Throughput (Mpps)	Latency Min (ns)	Latency Avg (ns)	Latency Max (ns)	
64	1.283	4147.2	6308.6	30528.0	
128	1.310	4288.0	6905.1	45427.2	
256	1.326	4672.0	7531.2	50726.4	
512	1.375	6784.0	29086.8	197568.0	
1024	1.316	586713.6	660524.1	734348.8	
1280	1.057	115020.8	188905.0	262835.2	
1518	0.893	50444.8	124341.3	198233.6	

4 Frame loss rate

Test Duration: 20 s

Frame Size (bytes)	Load (%)	Total Tx Frames	Total Rx Frames	Total Frames Lost	Frame Loss (%)
64	100.0	297617355	25000448	272616907	91.5998
	95.0	283016853	24981504	258035349	91.1731
	90.0	267855525	24154601	243700924	90.9822
	85.0	253376802	25025076	228351726	90.1234
	80.0	238093758	25019038	213074720	89.4919
	75.0	223212969	24967746	198245223	88.8144
	70.0	208332180	25036502	183295678	87.9824
	65.0	193797450	24150812	169646638	87.5381
	60.0	178570413	25002782	153567631	85.9984
	55.0	164472336	25031127	139441209	84.7810
	50.0	148808268	24151808	124656460	83.7698
	45.0	134407602	25021883	109385719	81.3836
	40.0	119046753	24999832	94046921	79.0000
	35.0	104165964	24967421	79198543	76.0311
	30.0	89285112	25014810	64270302	71.9832
	25.0	74404323	24160867	50243456	67.5276
	20.0	59523471	24937602	34585869	58.1046
15.0	44642619	25071416	19571203	43.8397	
10.0	29761767	24159553	5602214	18.8235	
128	100.0	168917994	24878219	144039775	85.2720
	95.0	160598781	24923790	135674991	84.4807
	90.0	152128935	24285152	127843783	84.0365
	85.0	143677422	24877942	118799480	82.6849
	80.0	135134433	24990093	110144340	81.5072
	75.0	126688590	24897301	101791289	80.3476
	70.0	118295982	24872858	93423124	78.9740
	65.0	109809189	24292334	85516855	77.8777
	60.0	101350872	24902374	76448498	75.4295
	55.0	92936214	24890271	68045943	73.2179
	50.0	84458934	24277403	60181531	71.2554
	45.0	76219038	24909847	51309191	67.3181
	40.0	67567248	24910747	42656501	63.1319
	35.0	59241357	24854619	34386738	58.0452
	30.0	50709645	24878041	25831604	50.9402
	25.0	42229530	24297096	17932434	42.4642
	20.0	33783624	24859695	8923929	26.4150
15.0	25354854	24927169	427685	1.6868	
10.0	16891812	16891812	0	0.0000	
256	100.0	90579195	25118095	65461100	72.2695
	95.0	86107455	25050181	61057274	70.9082
	90.0	81521370	24461001	57060369	69.9944
	85.0	77001813	25099672	51902141	67.4038
	80.0	72463545	25088909	47374636	65.3772
	75.0	67934349	25056616	42877733	63.1164
	70.0	63451458	25060323	38391135	60.5047
65.0	58915710	24456575	34459135	58.4889	

	60.0	54347517	25063666	29283851	53.8826
	55.0	49899969	25004032	24895937	49.8917
	50.0	45289629	24471784	20817845	45.9660
	45.0	40782861	25060979	15721882	38.5502
	40.0	36231678	25136960	11094718	30.6216
	35.0	31725729	25086790	6638939	20.9260
	30.0	27173790	25155783	2018007	7.4263
	25.0	22644783	22644783	0	0.0000
	20.0	18115839	18115839	0	0.0000
512	100.0	46992204	25176576	21815628	46.4239
	95.0	44669394	25196199	19473195	43.5940
	90.0	42301035	24607264	17693771	41.8282
	85.0	39957246	25181184	14776062	36.9797
	80.0	37593801	25153306	12440495	33.0919
	75.0	35244153	25200830	10043323	28.4964
	70.0	32894694	25167267	7727427	23.4914
	65.0	30549771	24646007	5903764	19.3251
	60.0	28195398	25226561	2968837	10.5295
	55.0	25853058	25219739	633319	2.4497
	50.0	23496102	23496102	0	0.0000
	45.0	21150486	21150486	0	0.0000
1024	100.0	23946237	23946237	0	0.0000
	95.0	22754844	22754844	0	0.0000
1280	100.0	19230687	19230687	0	0.0000
	95.0	18270441	18270441	0	0.0000
1518	100.0	16254819	16254819	0	0.0000
	95.0	15444891	15444891	0	0.0000



5 Back-to-back frames

Test Duration: 2 s
Accuracy: 100 packets
Rate: 10000 Mbps

Frame Size (bytes)	Burst size min	Burst size avg	Burst size max	Theoretical maximum
64	1704	1704.0	1704	29761905
128	0	0.0	0	16891892
256	3318	3318.0	3318	9057972
512	1005	1005.0	1005	4699249
1024	2394637	2394637.0	2394637	2394637
1280	1923077	1923077.0	1923077	1923077
1518	1625488	1625488.0	1625488	1625488

