RFC 2544 Test Report

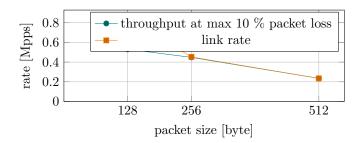
1 General Test Information

Device Under Test: SEAPATH
Operating System: votp
Technology: kernel
Date: 2021-04-05

2 Throughput

 $\begin{array}{ll} {\rm Test\ Duration:} & 1\ {\rm s} \\ {\rm Maximal\ Loss\ Rate:} & 10.000\ \% \\ {\rm Accuracy:} & 100\ {\rm Mbps} \end{array}$

Frame Size	T++:	Total Tx	Total Rx	Throughput	Throughput
(bytes)	Iteration	Frames	Frames	(Mpps)	(Mbps)
128	1	531200	499564	0.531	628.941
256	1	448000	443864	0.448	989.184
512	1	234752	233517	0.235	999.105



3 Latency

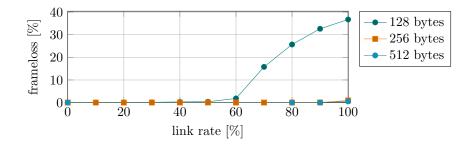
Test Duration: 1 s

Frame Size (bytes)	Throughput (Mpps)	Latency Min (ns)	Latency Avg (ns)	Latency Max (ns)	
0	0.000	25240.0	37058.2	78040.0	20 30 40 50 60 70 80 latency [µs]
128	0.533	25256.0	42879.8	542640.0	20 100 200 300 400 500 latency [\mu s]
256	0.448	46168.0	48908.6	478480.0	3 1 100 200 300 400 500 latency [\mu s]
512	0.235	47880.0	53670.0	740864.0	2 1 1 0 100 200 300 400 500 600 700 800 latency [µs]

4 Frame loss rate

Test Duration: 1 s

Frame Size	T 1 (07)	Total Tx	Total Rx	Total Frames	D (07)
(bytes)	Load (%)	Frames	Frames	Lost	Frame Loss (%)
	100.0	823936	521237	302699	36.7382
	90.0	765440	515645	249795	32.6342
	80.0	680448	505661	174787	25.6870
	70.0	594176	500398	93778	15.7829
128	60.0	509312	500022	9290	1.8240
120	50.0	424960	423370	1590	0.3742
	40.0	340480	339422	1058	0.3107
	30.0	254976	254650	326	0.1279
	20.0	170112	170041	71	0.0417
	10.0	85376	85376	0	0.0000
	100.0	447872	443662	4210	0.9400
	90.0	410752	410546	206	0.0502
	80.0	365184	365117	67	0.0183
	70.0	318720	318686	34	0.0107
256	60.0	273408	273391	17	0.0062
200	50.0	227584	227539	45	0.0198
	40.0	182400	182364	36	0.0197
	30.0	136960	136925	35	0.0256
	20.0	91136	91136	0	0.0000
	10.0	46080	46080	0	0.0000
	100.0	234752	233530	1222	0.5205
512	90.0	213120	213120	0	0.0000
	80.0	190080	190080	0	0.0000

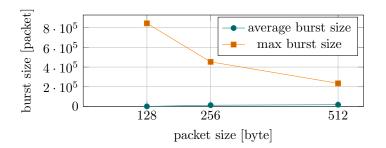


5 Back-to-back frames

Test Duration: 1 s Accuracy: 5 pa

Accuracy: 5 packets Rate: 1000 Mbps

Frame Size (bytes)	Burst size min	Burst size avg	Burst size max	Theoretical maximum
128	645	645.0	645	844595
256	12379	12379.0	12379	452899
512	17440	17440.0	17440	234963



6 Packet inter arrival time

Test Duration: 5 s

Frame Size (bytes)	Throughput (Mpps)	Interval Min (ns)	Interval Avg (ns)	Interval Max (ns)	
N/A	N/A	232848.0	249979.0	275616.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

7 Sampled value processing latency

Test SMV92 sample rate: 4000 s

