

# Satellite link acceleration test:

## Case 1:

File size: **10 MB (10485760 bytes)**

Connection speed: **1Mbit**

Protocol: **HTTP**

Latency: **0ms**

Packet loss rate propability: **0%**

### With acceleration:

Test #	Time in min:sec:ms	Avarage speed
1.	1:28.31	115.99 KB/s
2.	1:28.29	116.02 KB/s
3.	1:28.85	115.29 KB/s

### Without acceleration:

Test #	Time in min:sec:ms	Avarage speed
1.	1:28.31	116.00 KB/s
2.	1:28.31	115.99 KB/s
3.	1:28.30	116.00 KB/s

### Conclusion:

Results are as expected, the avarage transmission speed over TCP on a link with no packet loss is equal in both cases.

## Case 2:

File size: **10 MB (10485760 bytes)**

Connection speed: **1Mbit**

Protocol: **HTTP**

Latency: **700ms**

Packet loss rate propability: **0%**

### Without acceleration:

Test #	Time in min:sec:ms	Avarage speed
1.	2:12.36	78.21 KB/s
2.	2:13.42	77.58 KB/s
3.	2:10.26	79.48 KB/s
4.	2:10.34	79.43 KB/s
5.	2:14.84	76.76 KB/s

### With acceleration:

Test #	Time in min:sec:ms	Avarage speed
1.	1:33.93	110.70 KB/s
2.	1:33.96	110.66 KB/s
3.	1:34.36	110.18 KB/s
4.	1:34.81	109.65 KB/s
5.	1:35.29	109.09 KB/s

### Conclusion:

Transmission speed over TCP is increased with clearly visible results.