

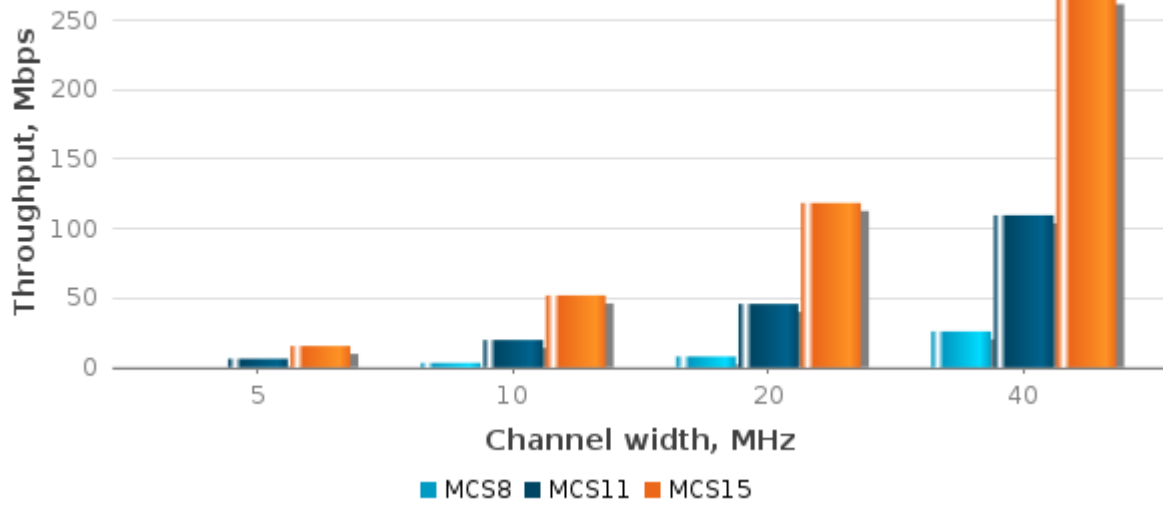
Throughput

- Throughput dependence on channel width (packet size - 1518 bytes, max. distance - 10km)
- Throughput dependence on packet size (modulation - QAM64 5/6, max. distance - 10km)
- Throughput dependence on frame period (modulation QAM64 5/6, packet size 1518 bytes)
- Throughput dependence on maximal distance (packet size 1518 bytes, frame period 5ms)

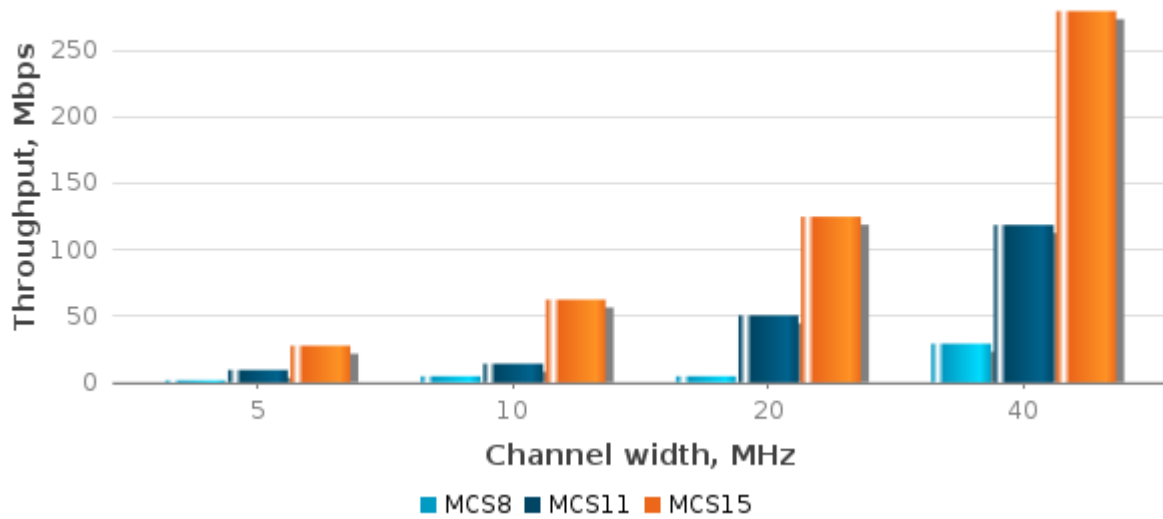
Throughput dependence on channel width (packet size - 1518 bytes, max. distance - 10km)

Modulation scheme	Frame period 2 ms				Frame period 5 ms			
	Channel width, MHz				Channel width, MHz			
	5	10	20	40	5	10	20	40
MCS8	0	3.1	7.7	25.9	1.5	4.6	4.6	29.0
MCS11	6.2	19.7	45.7	109.5	9.3	13.9	50.3	118.4
MCS15	15.4	51.8	118.4	267.4	27.5	62.3	124.6	279.4

Frame period 2 ms



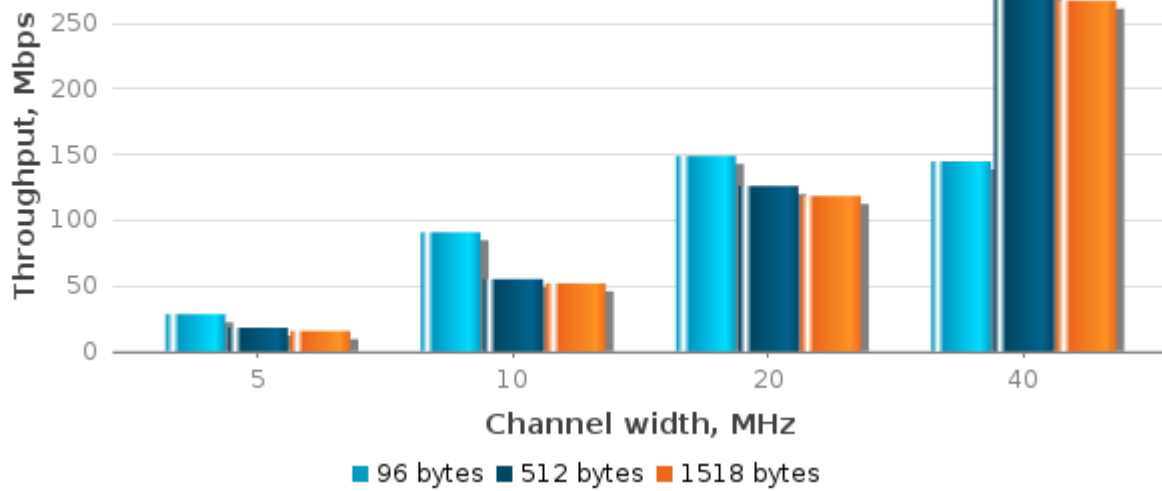
Frame period 5 ms



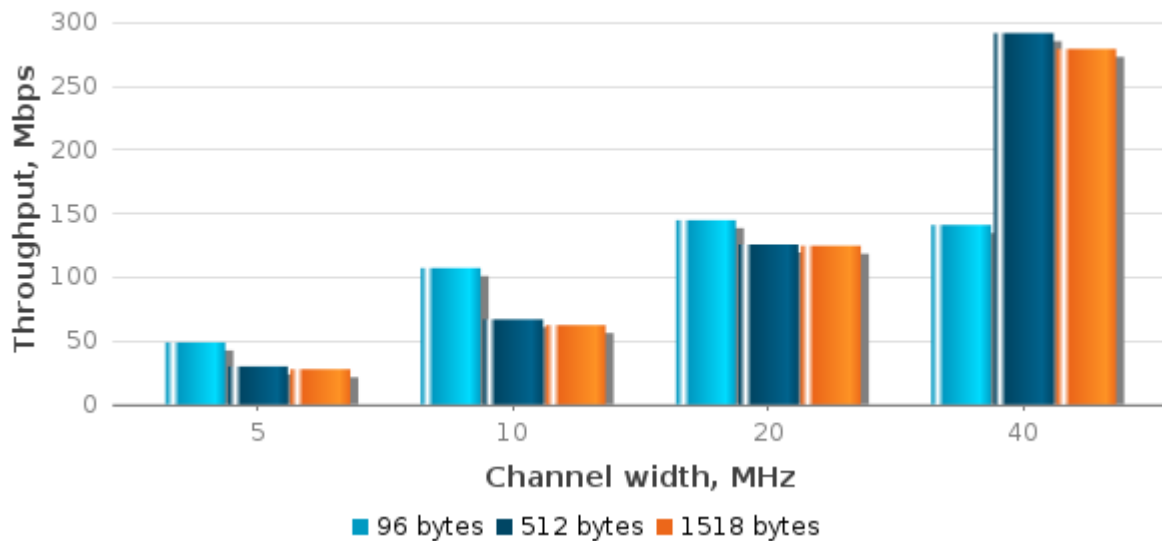
Throughput dependence on packet size (modulation - QAM64 5/6, max. distance - 10km)

Packet size	Frame period 2 ms				Frame period 5 ms			
	Channel width, MHz				Channel width, MHz			
	5	10	20	40	5	10	20	40
96 bytes	28.2	90.8	149.0	144.8	48.6	107.1	144.8	140.9
512 bytes	18.0	55.0	126.0	283.0	29.8	66.8	125.7	291.7
1518 bytes	15.4	51.8	118.4	267.4	27.5	62.3	124.6	279.4

Frame period 2 ms



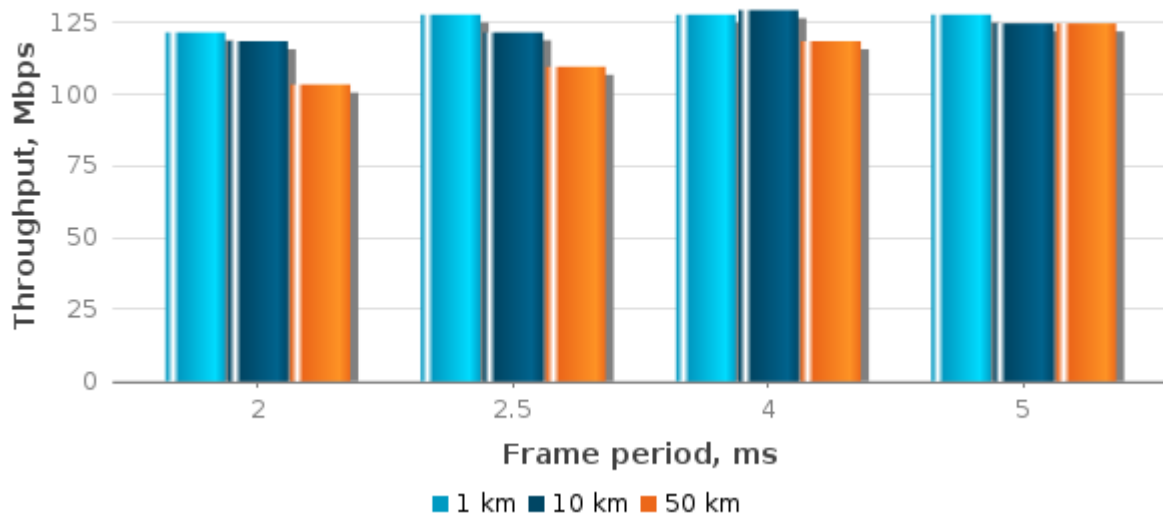
Frame period 5 ms



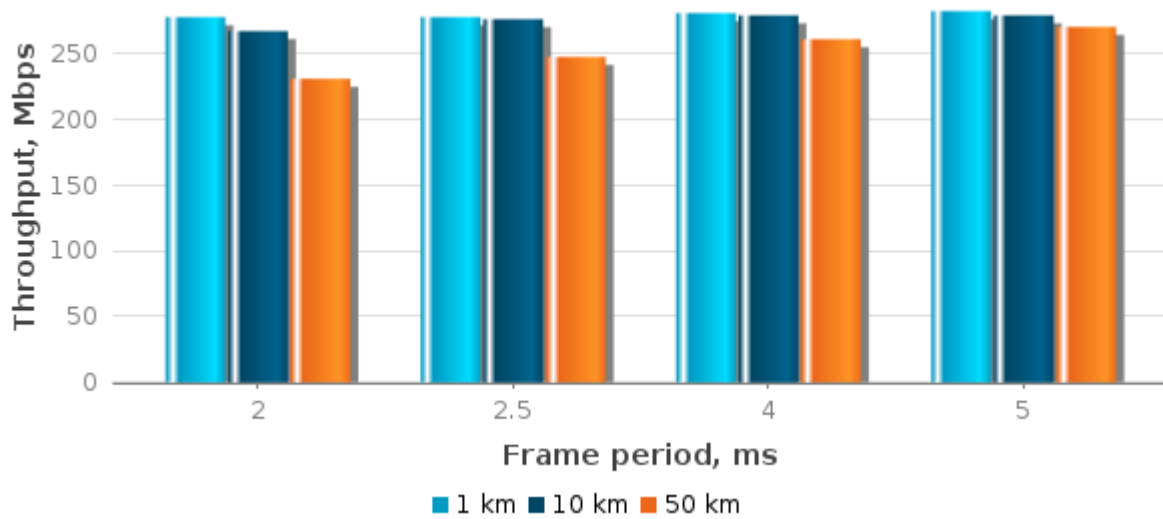
Throughput dependence on frame period (modulation QAM64 5/6, packet size 1518 bytes)

Max. distance, km	Channel width 20 MHz				Channel width 40 MHz			
	Frame period, ms				Frame period, ms			
	2	2.5	4	5	2	2.5	4	5
1	121.5	127.7	127.7	127.7	277.9	277.9	281.0	282.5
10	118.4	121.5	129.2	124.6	267.4	276.4	279.4	279.4
50	103.3	109.5	118.4	124.6	231.0	247.7	261.2	270.5

Channel width 20 MHz



Channel width 40 MHz



Throughput dependence on maximal distance (packet size 1518 bytes, frame period 5ms)

Modulation scheme	Channel width 20 MHz				Channel width 40 MHz			
	Max. distance, km				Max. distance, km			
	1	10	25	50	1	10	25	50
MCS8	10.8	4.6	7.7	1.5	29.0	29.0	27.5	27.5
MCS11	51.8	50.3	45.6	41.0	120.0	118.4	115.7	114.1
MCS15	127.7	124.6	126.2	124.6	282.5	279.4	274.8	270.5

