Delay

- Delay value dependence on maximum distance with fixed frame period (channel width - 40MHz, modulation - QAM64 5/6)
- Frame period
  - Frame period 2 ms
  - Frame period 10 ms
- Delay value dependence on maximum distance with fixed subscribers number (channel width - 40MHz, modulation - QAM64 5/6)
  - Subscribers number - 5
  - Subscribers number - 24

Tables and charts with laboratory testing result data are shown below. The devices with TDMA software version were used while testing. Devices settings that did not change during testing:

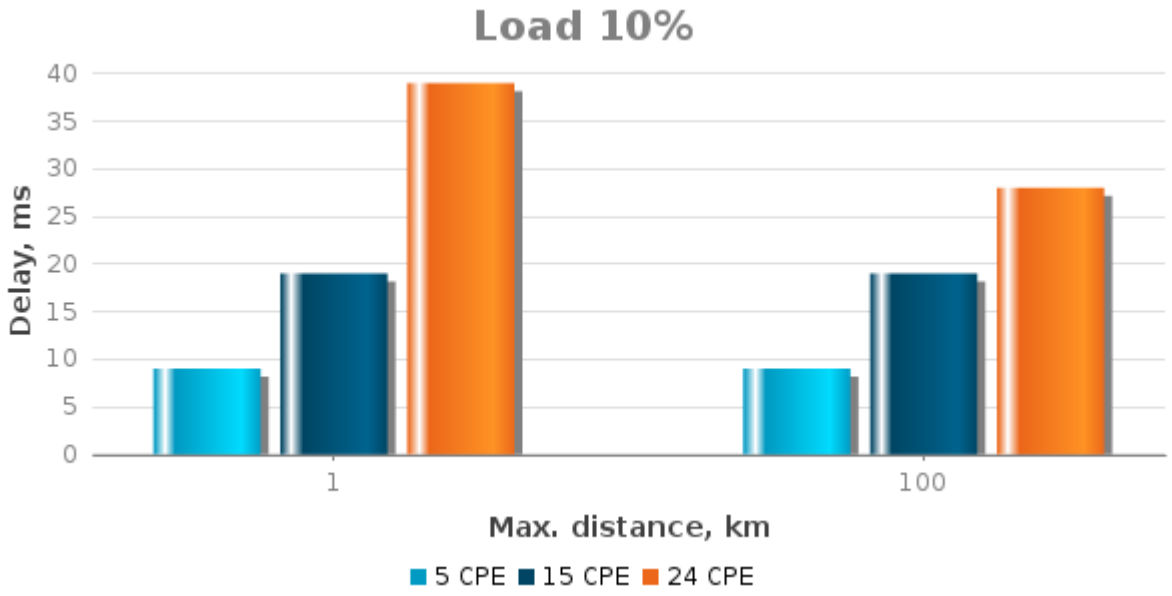
- packet size - 1518 bytes;
- Greenfield - on.

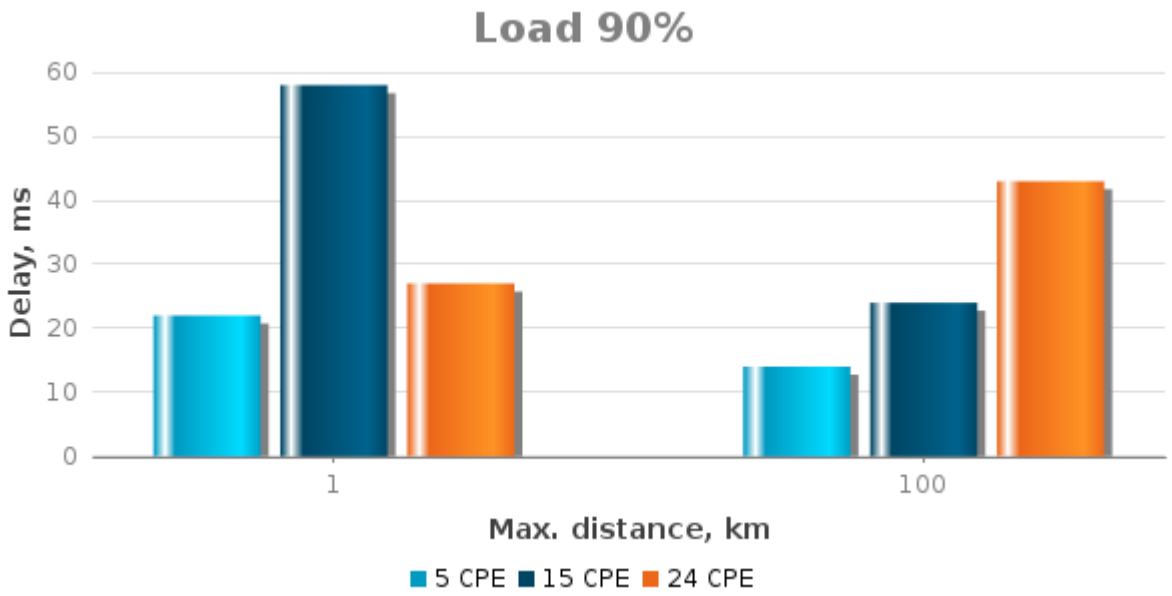
Delay value dependence on maximum distance with fixed frame period (channel width - 40MHz, modulation - QAM64 5/6)

Frame period		2 ms		10 ms	
Load	Subscribers number	Max. distance		Max. distance	
		1 km	100 km	1 km	100 km
10%	5	9	9	13	13
	15	19	19	21	24
	24	39	28	30	32
90%	5	22	14	110	131
	15	58	24	161	171
	24	27	43	138	319

Frame period 2 ms

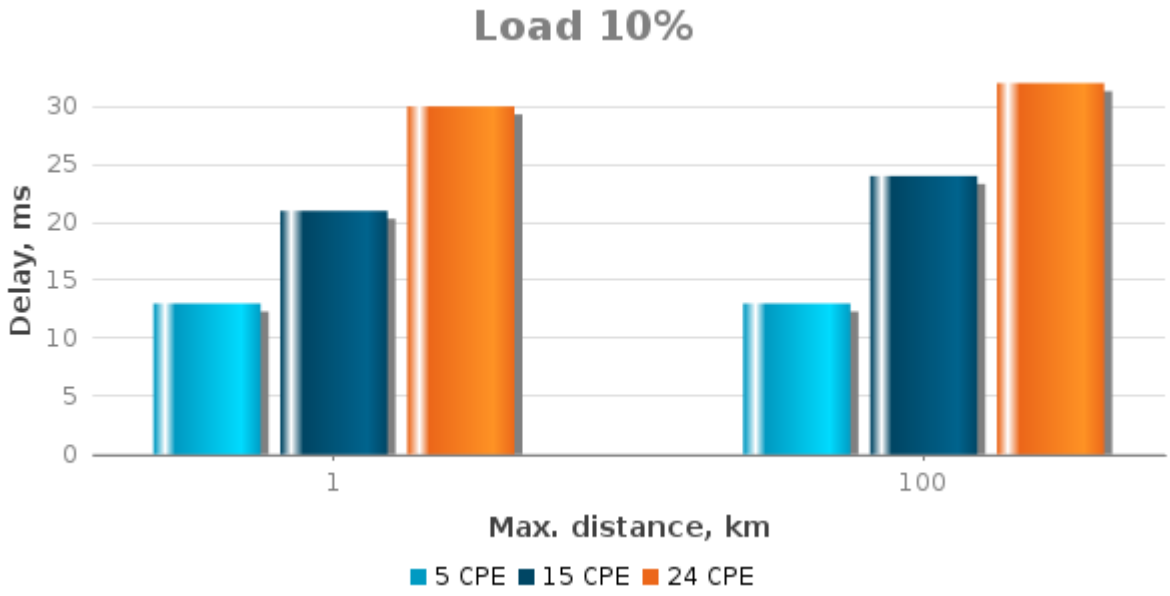
Title

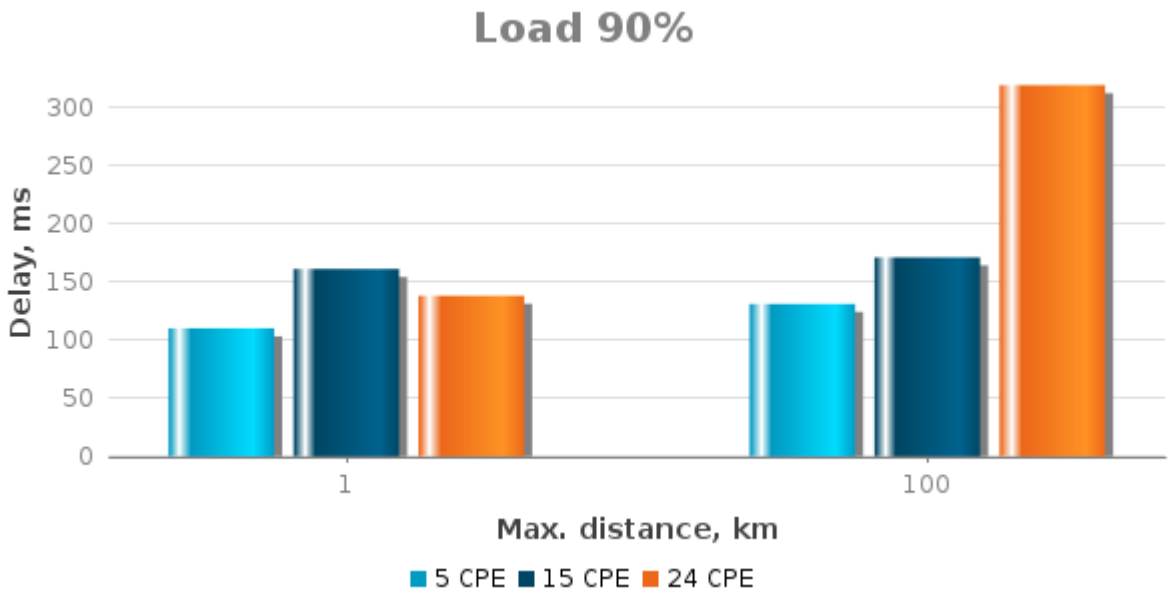




Frame period 10 ms

Title



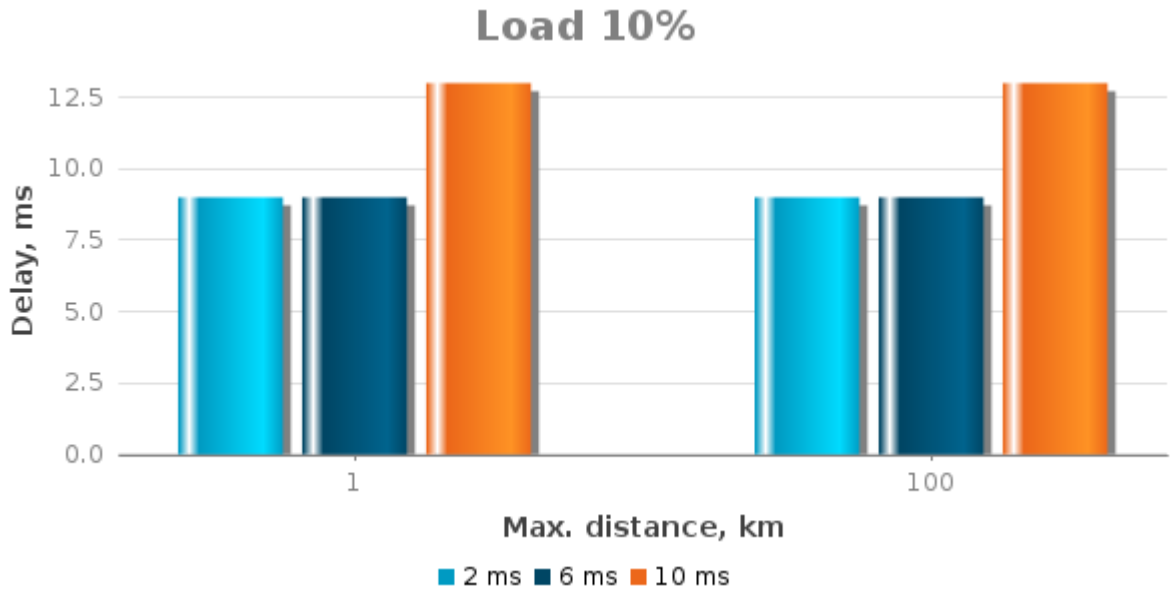


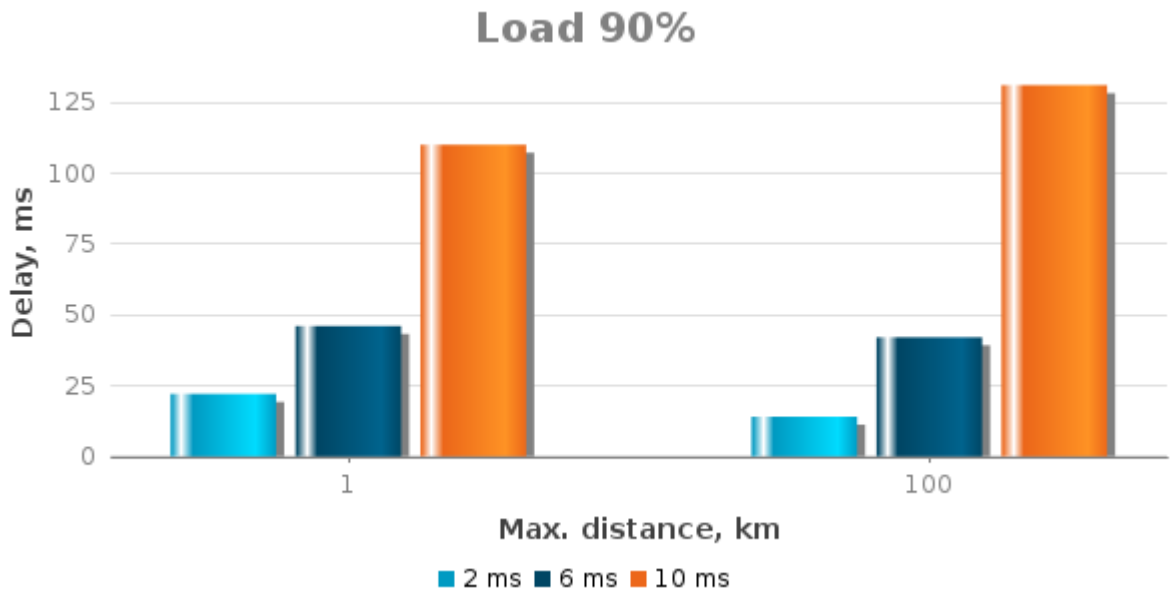
Delay value dependence on maximum distance with fixed subscribers number (channel width - 40MHz, modulation - QAM64 5/6)

Subscribers number		5		24	
Load	Frame period	Max. distance		Max. distance	
		1 km	100 km	1 km	100 km
10%	2 ms	9	9	39	28
	6 ms	9	9	24	26
	10 ms	13	13	30	32
90%	2 ms	22	14	27	43
	6 ms	46	42	107	100
	10 ms	110	131	138	319

Title

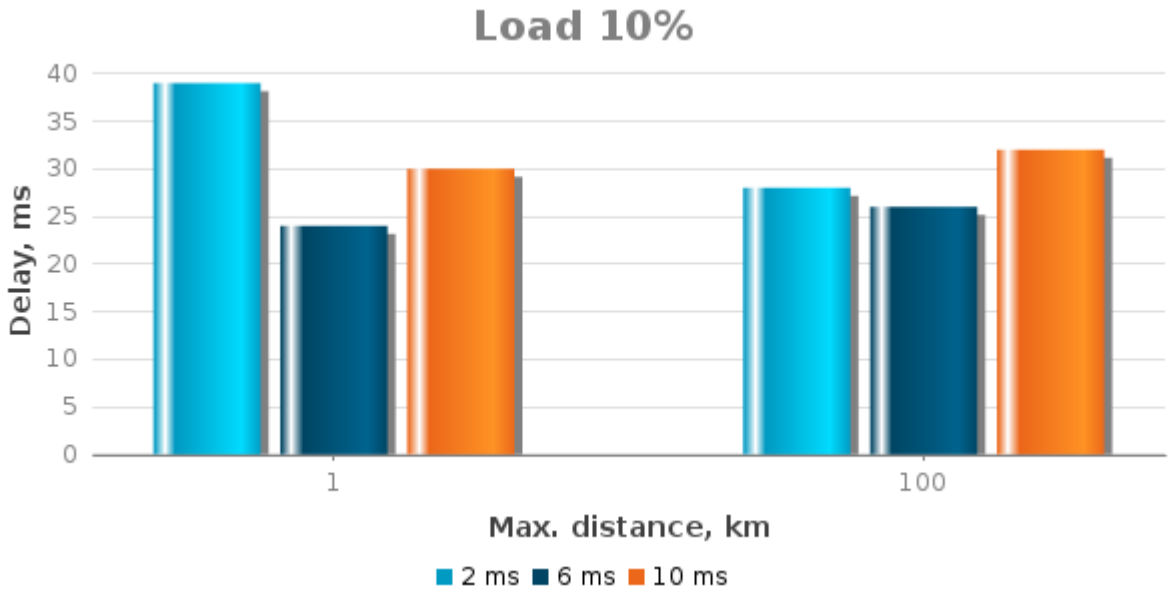
Subscribers number - 5

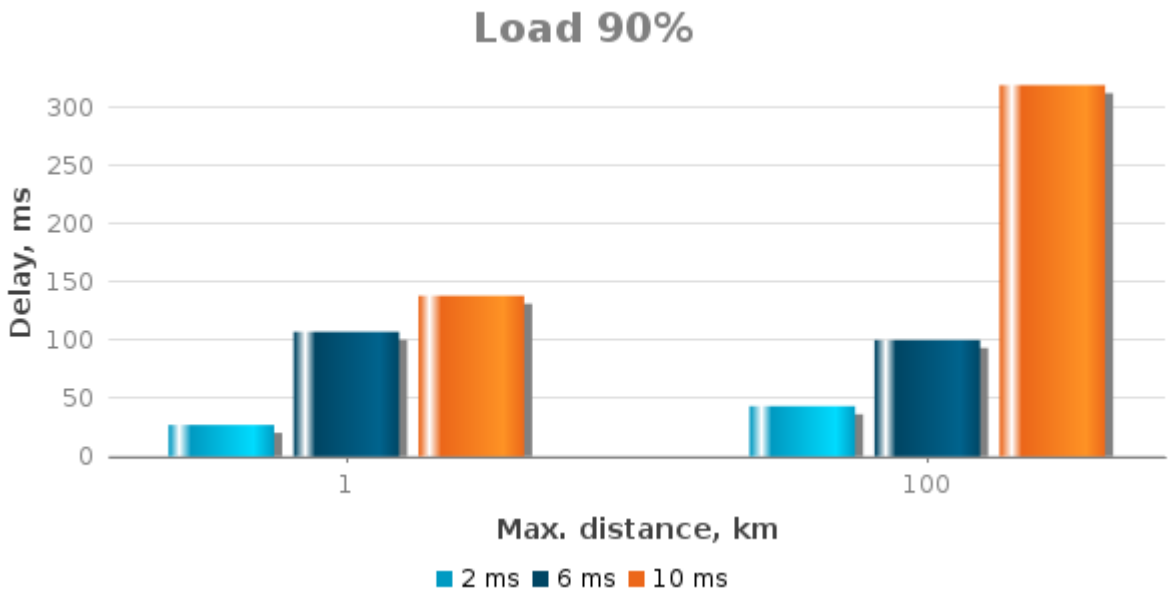




Subscribers number - 24

Title


Load 10%
Delay, ms
40
35
30
25
20
15
10
5
0
1
100
Max. distance, km
2 ms
6 ms
10 ms


Load 90%
Delay, ms
300
250
200
150
100
50
0
1
100
Max. distance, km
2 ms
6 ms
10 ms