

best in test.

For adding something on top in Canada and reaching an overall score of 898 dots in mobile network benchmarking survey we proudly award this certificate to

Rogers Communications Canada Inc.

Score 898 out of 1000 in Total
Score 250 out of 270 in Voice Services
Score 427 out of 480 in Data Services
Score 221 out of 250 in Crowdsourced Quality

Crescenzo Micheli

Crescenzo Micheli
Global Network Benchmarking Lead





Measurement Overview

umlaut tested and measured the performance of its voice and data services on smartphones in comparison to other 5G/LTE mobile radio networks in metropolitan and rural areas of Canada.

The audit was done as a performance benchmark performed by umlaut between 03.03.2026 and 14.05.2025 in cities and towns as well as on connection roads.

Dedicated measurements have been executed as drive tests outdoors using a Samsung Galaxy S25 Ultra.

All data measurements have been performed in 5G preferred mode. Voice measurements have been done in 5G/5G preferred mode on both sides, while call origin has been alternated.

In addition crowdsourced performance data has been collected and evaluated between CW48 2025 and CW19 2026.

The following pages provide a comparative overview about the performance results observed for the different tested service types.



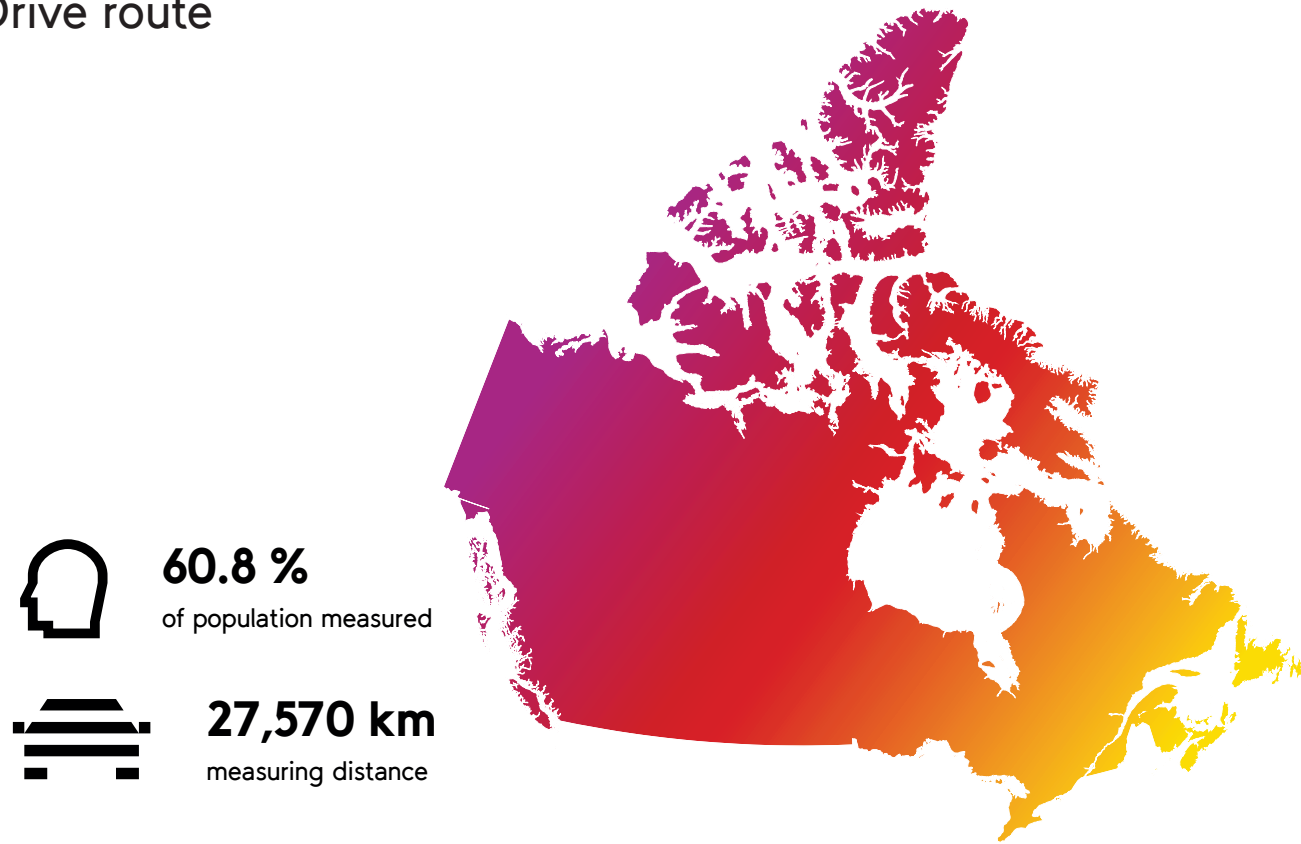
Measurement setup


Drivetest	Voice	Data
Device	Samsung Galaxy S25 Ultra	
Test Cases	Mobile-to-Mobile (M2M) Side1 (5G preferred: Volte) to Side2 (5G preferred: Volte) 105 sec call window 70 sec call duration 15 sec call setup timeout Multi-RAB traffic injection on both sides	Data 5G preferred CA HTTP DL datastream 7s HTTP UL datastream 7s HTTP 10MB DL fixed file transfer HTTP 5MB UL fixed file transfer Web Browsing – Kepler ETSI Ref. Page 9 Live web pages 1 YouTube HD video ~ 45s 1 YouTube live stream ~ 45 CONVERSATIONAL APP INTERACTIVITY EGAMING INTERACTIVITY VIDEOCHAT
Mobility and Route Types	Drive test 100% 50–70% in Cities, 10–25% in Towns and 10–40% on Roads	
Samples	35,395	398,038
Dates	47 measurement days 03.03.2026 – 14.05.2026	
Crowd Data Assessment	24 weeks CW48 2025 – CW19 2026	




Testing areas

Drive route



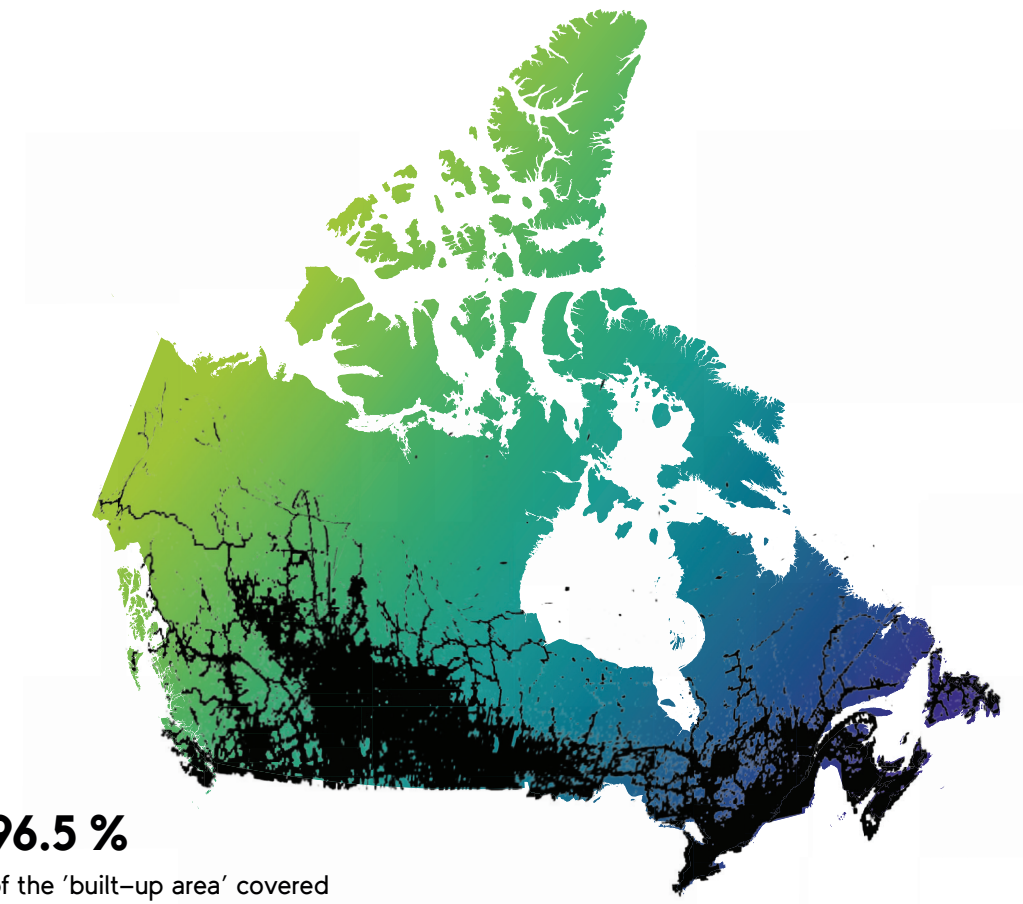
 **60.8 %**
of population measured


 **27,570 km**
measuring distance


Cities measured: Halifax, Quebec, Sherbrooke, Montreal, Ottawa, Kanata, Oshawa, Toronto, Milton, Hamilton, St. Catharines, Kitchener, London, Windsor, Victoria, Vancouver, Abbotsford, Lethbridge, Calgary, Red Deer, Edmonton, Regina, Winnipeg


Towns measured: Truro, Moncton, Saint John, Fredericton, Bathurst, Rimouski, Riviere du Loup, Drummondville, Granby, Chateauguay, Hawkesbury, Brockville, Belleville, Cobourg, Lindsay, Orillia, Welland, Woodstock, Chatham, Leamington, X, Highway, Mission, Chilliwack, Kamloops, Vernon, Penticton, Nelson, Cranbrook, Medicine Hat, Brooks, Chestermere, Airdrie, Wetaskiwin, Lloydminster, North Battleford, Moose Jaw, Brandon, Portage la Prairie

Crowdsourcing based test area



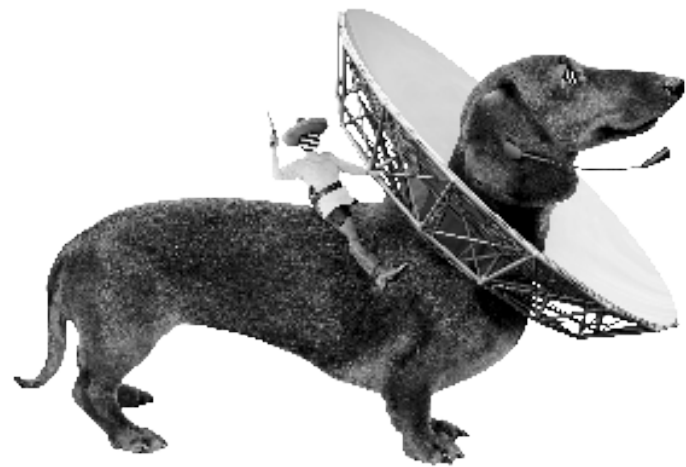
 **96.5 %**
of the 'built-up area' covered

 **99.1 %**
of the 'Population area' covered


 **796,257 km²**
size of tested area




Claims





Best in test
Rogers Communications
Canada Inc.



Best in data
Rogers Communications Canada
Inc.



Best in voice
Rogers Communications Canada
Inc.



Best in Reliability
Rogers Communications Canada
Inc.



Methodology

The leader in mobile benchmarking, umlaut, has analyzed the mobile networks of Canada with regards to mobile network performance. We measure smartphone voice and data performance based on extensive drivetests – from major metropolitan areas to smaller cities and connection roads.

We objectively define the routes and test methodology and publish the results through certificates or public benchmark reports. In addition crowdsourced performance data has been collected and evaluated.

As the de-facto industry standard, our benchmarking methodology focuses on customer-experienced network quality and covers a wide range of mobile services.

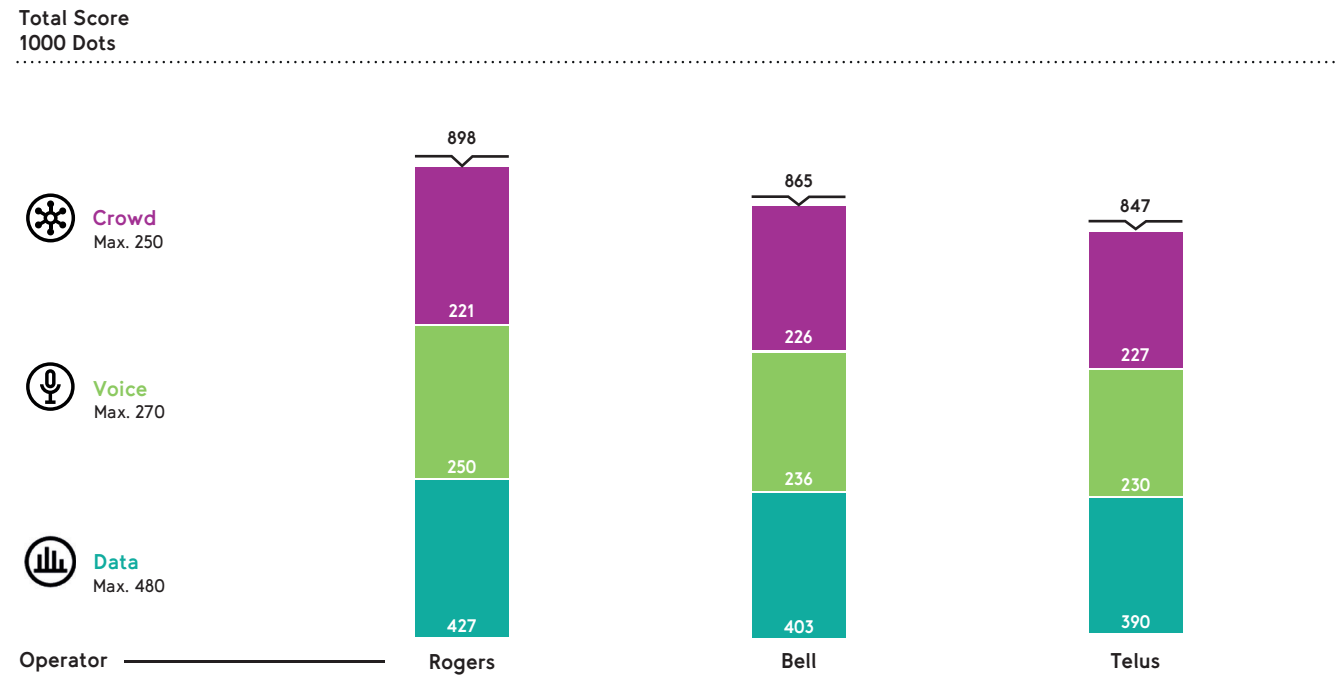
Today, more than 200 mobile networks in more than 120 countries are being evaluated by our unique scoring methodology.

It allows a technical analysis that is unprecedented in its level of detail and enables comparisons between the network performance and capability of each mobile network. Our public benchmarks as well as the certificate benchmarks help network operators to demonstrate how well they are delivering wireless connections to consumers, business users and enterprises and reveals the areas of improvement.



Score and breakdown

Rogers Communications Canada Inc. achieved the highest overall score among competitors with 898 dots out of 1000.



~ Shown total scores are rounded.

Overall score considering Voice, Data and Crowdsourcing.

Total score

		Rogers	Bell	Telus
Voice	max. 270	250	236	230
Cities Drivetest	162	96%	92%	90%
Towns Drivetest	54	98%	89%	88%
Roads Drivetest	54	76%	72%	68%
Data	max. 480	427	403	390
Cities Drivetest	288	94%	91%	88%
Towns Drivetest	96	90%	80%	78%
Roads Drivetest	96	72%	66%	64%
Crowdsourced Quality	max. 250	221	226	227
Broadband Coverage	100	87%	91%	91%
Download Speed	19	93%	97%	96%
Upload Speed	19	91%	92%	91%
Download speed Active	19	96%	97%	97%
Upload speed Active	19	77%	80%	79%
Latency	50	85%	85%	87%
Voice	10	99%	98%	98%
Stability	15	97%	96%	96%
Total	1000	898	865	847

Shown scores are rounded.



Achieved percentage of the maximum score in each of the different data services.

Data	Service Group	max	Rogers	Bell	Telus
Cities	Web Browsing	50.4	98%	96%	94%
	File Download	57.6	96%	95%	88%
	File Upload	57.6	90%	91%	88%
	YouTube	49.0	96%	84%	82%
	OTT	73.4	92%	89%	87%
Towns	Web Browsing	16.8	96%	90%	88%
	File Download	19.2	90%	82%	77%
	File Upload	19.2	82%	82%	77%
	YouTube	16.3	92%	71%	69%
	OTT	24.5	90%	78%	79%
Roads	Web Browsing	16.8	77%	73%	71%
	File Download	19.2	74%	68%	66%
	File Upload	19.2	64%	62%	59%
	YouTube	16.3	66%	51%	50%
	OTT	24.5	79%	73%	72%

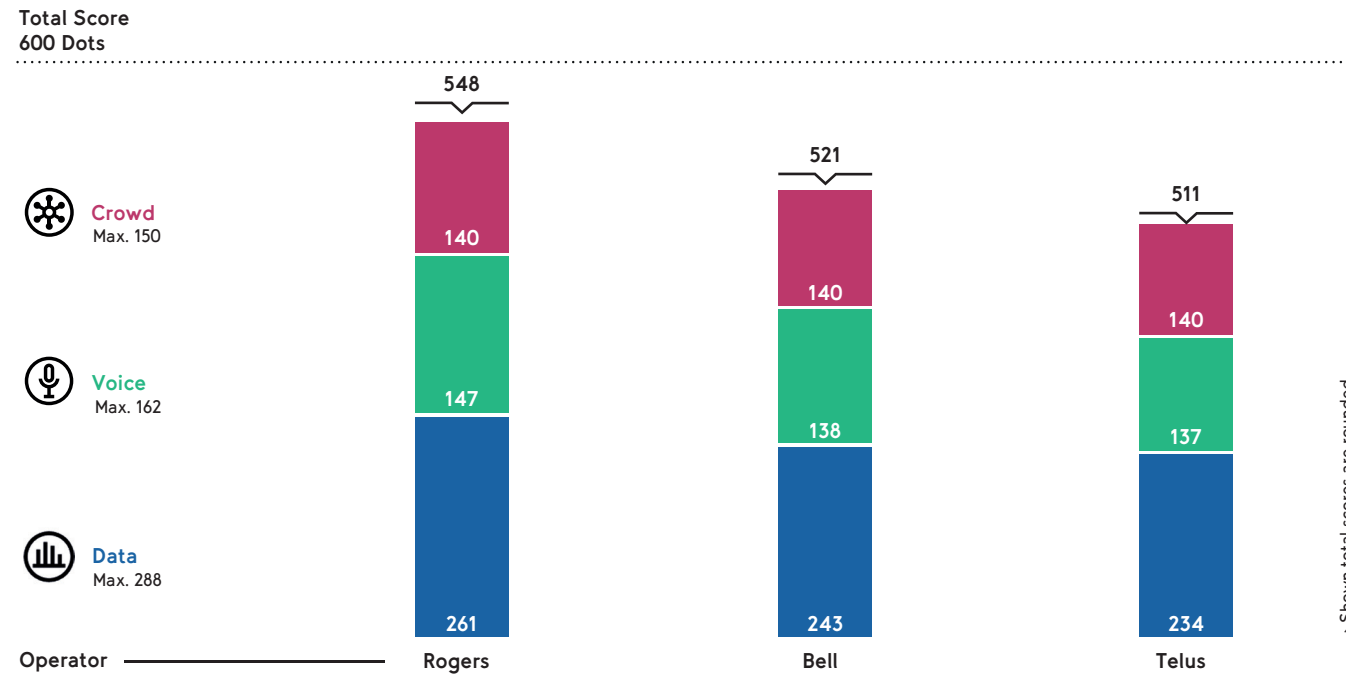


Achieved percentage of the maximum score in each of the different crowdsourcing services.

Crowd	Service Group	max	Rogers	Bell	Telus
Crowdsourced Quality	Broadband Coverage	100	87%	91%	91%
	DL Speed	19	93%	97%	96%
	UL Speed	19	91%	92%	91%
	Download speed (Active)	19	96%	97%	97%
	Upload speed (Active)	19	77%	80%	79%
	Latency	50	85%	85%	87%
	Voice	10	99%	98%	98%
	Stability	15	97%	96%	96%



Reliability



→ Shown total scores are rounded.

Reliability score considering Voice Reliability, Data Reliability and Consistent UE.

Total score

	Service Group	max	Rogers	Bell	Telus
Reliability	Voice Reliability	162	91%	85%	85%
	Data Reliability	288	90%	84%	81%
	Consistent User Experience	150	93%	93%	93%

Score achievement in school grades:
outstanding (≥95%), very good (≥85% and <95%), good (≥75% and ≤85%), satisfactory (≤65% and <75%), sufficient (≤55% and <65%).



Voice KPI overview

Achieved values of all networks under test in each of the relevant Voice Key Performance Indicators (KPIs) for the geographical categories "Cities", "Towns" and "Roads".

Voice	Service Group	Unit	Rogers	Bell	Telus
Cities	Qualifier	[%]	99.8%	99.4%	99.4%
	Call Setup Time (P90)	[s]	1.9	2.8	3.4
	Speech Quality (P10)	[MOS-LQO]	4.4	4.4	4.3
Towns	Qualifier	[%]	100.0%	99.0%	99.2%
	Call Setup Time (P90)	[s]	2.0	2.7	3.4
	Speech Quality (P10)	[MOS-LQO]	4.5	4.3	4.3
Roads	Qualifier	[%]	94.8%	94.4%	93.9%
	Call Setup Time (P90)	[s]	2.2	2.8	3.5
	Speech Quality (P10)	[MOS-LQO]	4.4	4.2	4.1



Data Services KPI overview

Achieved values of all networks under test in each of the relevant Data Key Performance Indicators (KPIs) for the geographical category "Cities".

Data Cities	KPI Name	Unit	Rogers	Bell	Telus
HTTP Web Page DL Smartphone	Qualifier	[%]	99.9%	99.7%	99.5%
	Overall Session Time	[s]	1.0	1.2	1.3
HTTP 10MB DL Smartphone	Qualifier	[%]	100.0%	99.8%	99.6%
	Overall Session Time	[s]	1.3	1.3	1.5
	90% faster than	[Mbit/s]	40.09	43.6	36.69
	10% faster than	[Mbit/s]	263.16	201.5	153.26
HTTP 5MB UL Smartphone	Qualifier	[%]	99.9%	99.8%	99.2%
	Average Session Time	[s]	2.7	2.4	2.6
	90% faster than	[Mbit/s]	8	9.64	9.05
	10% faster than	[Mbit/s]	66.38	53.95	47.56
HTTP DL FDTT	Qualifier	[%]	99.9%	99.9%	98.3%
	10% faster than	[Mbit/s]	561.8	648.56	439.37
	faster than 20 Mbit/s	[%]	96.9%	97.4%	97.8%
	faster than 100 Mbit/s	[%]	80.3%	82.6%	80.2%
HTTP UL FDTT	Qualifier	[%]	99.8%	99.8%	99.8%
	10% faster than	[Mbit/s]	96.61	86.14	79.3
	faster than 2 Mbit/s	[%]	98.9%	99.2%	99.4%
	faster than 5 Mbit/s	[%]	96.0%	96.8%	96.7%
YouTube	Qualifier	[%]	99.8%	98.9%	98.9%
	Start Time	[s]	1.5	2.0	2.5
	AVG Resolution	[p]	1079.7	1078.9	1076.5
YouTube Live Smartphone	Qualifier	[%]	99.6%	98.6%	98.5%
	Start Time	[s]	1.8	3.5	3.0
	AVG Resolution	[p]	1079.8	1076.8	1067.5
Interactivity	Qualifier	[%]	97.1%	96.1%	95.7%
	Interactivity egaming	[%]	78.1%	75.3%	73.0%
Interactivity Videochat	Qualifier	[%]	95.0%	92.7%	93.0%
	Interactivity egaming	[%]	89.7%	86.0%	81.7%
Conversational App	Qualifier	[%]	100.0%	99.9%	99.9%
	Speech Quality (P10)	[MOS-LQO]	3.8	3.7	3.7



Data Services KPI overview

Achieved values of all networks under test in each of the relevant Data Key Performance Indicators (KPIs) for the geographical category "Towns".

Data Towns	KPI Name	Unit	Rogers	Bell	Telus
HTTP Web Page DL Smartphone	Qualifier	[%]	99.7%	99.0%	98.8%
	Overall Session Time	[s]	1.2	1.4	1.5
HTTP 10MB DL Smartphone	Qualifier	[%]	99.7%	99.4%	99.2%
	Overall Session Time	[s]	2.0	2.3	2.5
	90% faster than	[Mbit/s]	25.7	20.8	20.78
	10% faster than	[Mbit/s]	207.9	155.25	129.53
HTTP 5MB UL Smartphone	Qualifier	[%]	100.0%	99.3%	98.3%
	Average Session Time	[s]	3.8	3.7	4.1
	90% faster than	[Mbit/s]	5	5.84	4.87
HTTP DL FDDT	Qualifier	[%]	99.6%	98.8%	97.5%
	10% faster than	[Mbit/s]	399.26	315.53	311.03
	faster than 20 Mbit/s	[%]	94.0%	91.6%	92.3%
HTTP UL FDDT	Qualifier	[%]	99.1%	99.4%	99.4%
	10% faster than	[Mbit/s]	66.7	61.34	59.03
	faster than 2 Mbit/s	[%]	97.0%	97.9%	97.9%
	faster than 5 Mbit/s	[%]	91.4%	92.5%	91.7%
YouTube	Qualifier	[%]	99.3%	97.4%	97.0%
	Start Time	[s]	1.7	2.5	2.7
	AVG Resolution	[p]	1079.4	1077.9	1072.9
YouTube Live Smartphone	Qualifier	[%]	99.1%	97.1%	97.1%
	Start Time	[s]	2.0	4.0	3.2
	AVG Resolution	[p]	1079.8	1074.7	1070.1
Interactivity	Qualifier	[%]	96.3%	89.9%	91.8%
	Interactivity egaming	[%]	73.1%	64.4%	63.8%
Interactivity Videochat	Qualifier	[%]	94.1%	88.9%	88.5%
	Interactivity egaming	[%]	89.0%	82.3%	78.5%
Conversational App	Qualifier	[%]	99.9%	99.5%	99.8%
	Speech Quality (P10)	[MOS-LQO]	3.9	3.7	3.7



Achieved values of all networks under test in each of the relevant Data Key Performance Indicators (KPIs) for the geographical category "Roads".

Data Roads	KPI Name	Unit	Rogers	Bell	Telus
HTTP Web Page DL Smartphone	Qualifier	[%]	95.4%	94.3%	93.9%
	Overall Session Time	[s]	1.5	1.5	1.6
HTTP 10MB DL Smartphone	Qualifier	[%]	96.4%	94.5%	95.2%
	Overall Session Time	[s]	3.5	3.3	3.5
	90% faster than	[Mbit/s]	13.75	14.15	12.2
	10% faster than	[Mbit/s]	162.4	152.1	127.29
HTTP 5MB UL Smartphone	Qualifier	[%]	95.3%	94.2%	93.3%
	Average Session Time	[s]	5.9	5.2	5.4
	90% faster than	[Mbit/s]	2.97	3.76	3.46
	10% faster than	[Mbit/s]	41.14	38.84	37.97
HTTP DL FDDT	Qualifier	[%]	95.6%	94.7%	93.4%
	10% faster than	[Mbit/s]	312.14	313.51	295.5
	faster than 20 Mbit/s	[%]	86.2%	84.9%	84.5%
	faster than 100 Mbit/s	[%]	43.1%	48.3%	47.8%
HTTP UL FDDT	Qualifier	[%]	95.5%	94.7%	94.6%
	10% faster than	[Mbit/s]	57.81	51.61	52.74
	faster than 2 Mbit/s	[%]	93.6%	95.7%	94.3%
	faster than 5 Mbit/s	[%]	84.8%	85.5%	84.0%
YouTube	Qualifier	[%]	93.2%	91.1%	91.1%
	Start Time	[s]	2.1	2.5	2.8
	AVG Resolution	[p]	1078.2	1076.9	1071.5
YouTube Live Smartphone	Qualifier	[%]	92.2%	89.7%	89.7%
	Start Time	[s]	2.4	3.9	3.2
	AVG Resolution	[p]	1077.1	1075.4	1066.0
Interactivity	Qualifier	[%]	86.1%	83.3%	81.8%
	Interactivity egaming	[%]	62.2%	62.0%	59.9%
Interactivity Videochat	Qualifier	[%]	86.4%	80.6%	82.2%
	Interactivity egaming	[%]	87.9%	84.0%	81.7%
Conversational App	Qualifier	[%]	97.9%	98.1%	97.9%
	Speech Quality (P10)	[MOS-LQO]	3.7	3.5	3.5



Crowd KPI overview

Achieved values of all networks under test in each of the relevant Crowd Key Performance Indicators (KPIs) for the categories "Broadband Coverage", "Download Speed", "Latency", "Voice Crowd" and "Stability".

Category	KPI name	Unit	Rogers	Bell	Telus
Broadband Coverage	Coverage Reach	[%]	85.0 %	90.5 %	90.2 %
	Time on broadband	[%]	99.4 %	98.7 %	98.8 %
Download Speed	Basic internet class	[%]	98.4 %	99.0 %	98.9 %
	HD video class	[%]	93.4 %	95.7 %	95.5 %
	UHD video class	[%]	78.1 %	84.5 %	83.7 %
Upload Speed	Basic internet class	[%]	93.8 %	94.0 %	94.2 %
	HD video class	[%]	77.4 %	79.2 %	78.5 %
Download Speed Active	90% faster than	[Mbit/s]	8.3	14.5	13.3
	10% faster than	[Mbit/s]	327.6	375.9	357.8
	AVG data rate	[Mbit/s]	128.3	164.8	151.8
Upload Speed Active	90% faster than	[Mbit/s]	2.7	2.9	2.9
	10% faster than	[Mbit/s]	57.3	55.2	51.6
	AVG data rate	[Mbit/s]	24.2	23.7	22.2
Latency	OTT voice class	[%]	96.8 %	96.6 %	96.9 %
	Gaming class	[%]	80.4 %	81.6 %	85.0 %
	Egoshooter class	[%]	9.8 %	15.1 %	18.9 %
Voice	HD voice	[%]	99.1 %	98.8 %	98.7 %
Stability	Transaction success	[%]	97.1 %	96.0 %	96.4 %



umlaut

umlaut communications GmbH

Am Kraftversorgungsturm 3 · 52070 Aachen · Germany

www.umlaut.com/benchmarking