

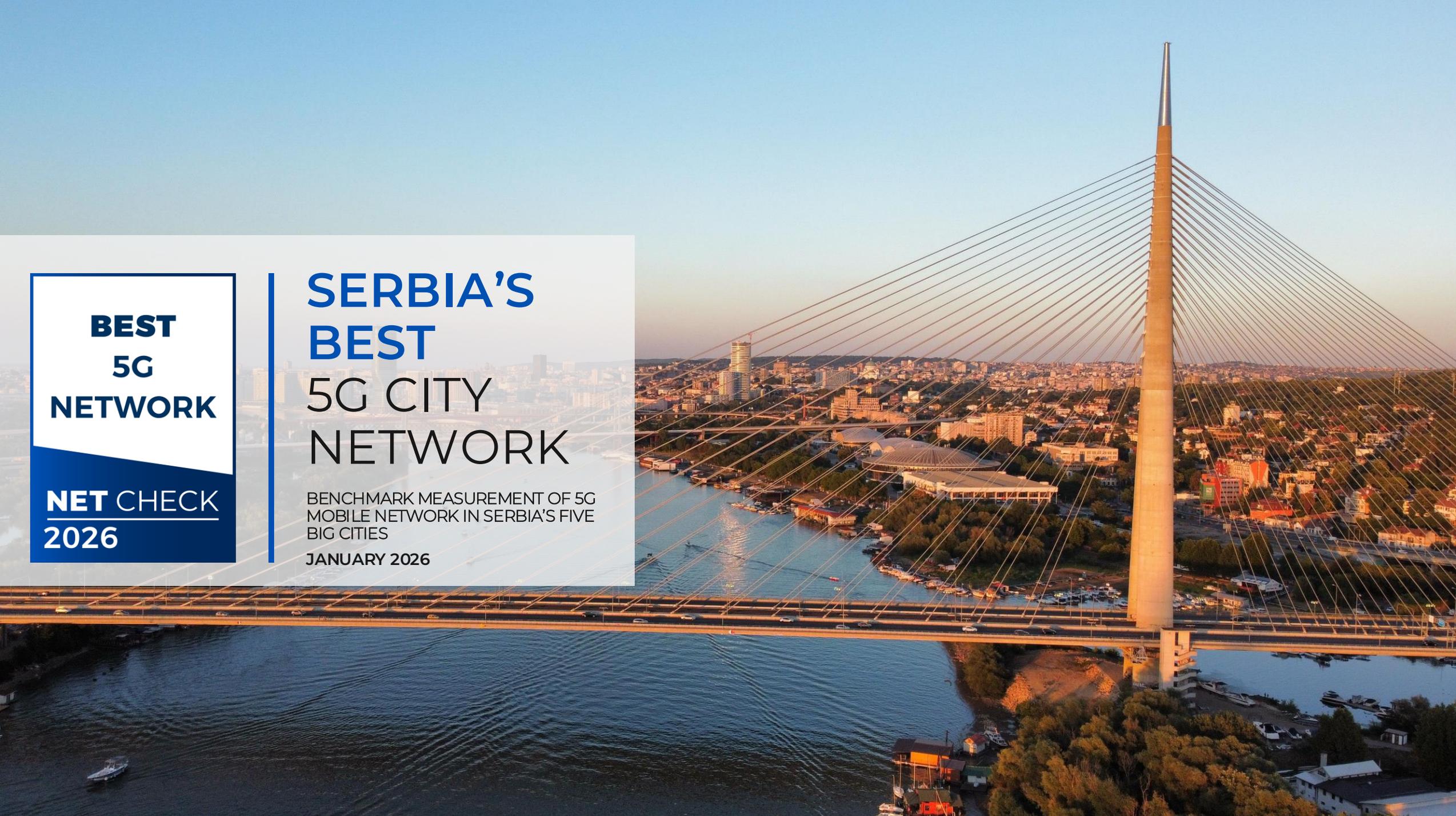
**BEST
5G
NETWORK**

**NET CHECK
2026**

SERBIA'S BEST 5G CITY NETWORK

BENCHMARK MEASUREMENT OF 5G
MOBILE NETWORK IN SERBIA'S FIVE
BIG CITIES

JANUARY 2026

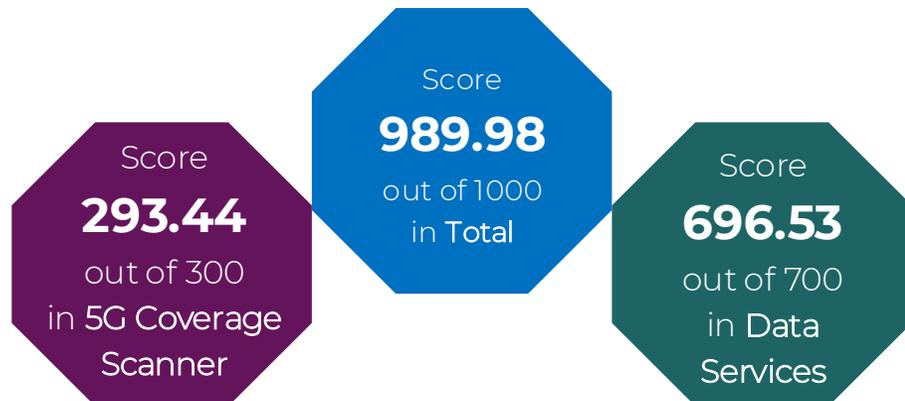


SERBIA'S BEST 5G CITY NETWORK

Mobile networks can be compared in terms of quality through a combined assessment of accessibility, reliability, and quality of typical telecommunication services.

The results of an extensive and complex testing procedure are translated into ranking points, and the ranking result reflects the overall end-user experience.

With an overall score of 989.98 points, Telekom Srbija / mts achieved the highest score, followed by A1 and then Yettel, based on evaluation of data samples and scanner results collected in the 5 largest cities (Beograd, Novi Sad, Nis, Kragujevac and Subotica).



Quality
assessment
of modern
communication
networks

5G BENCHMARKING METHODOLOGY

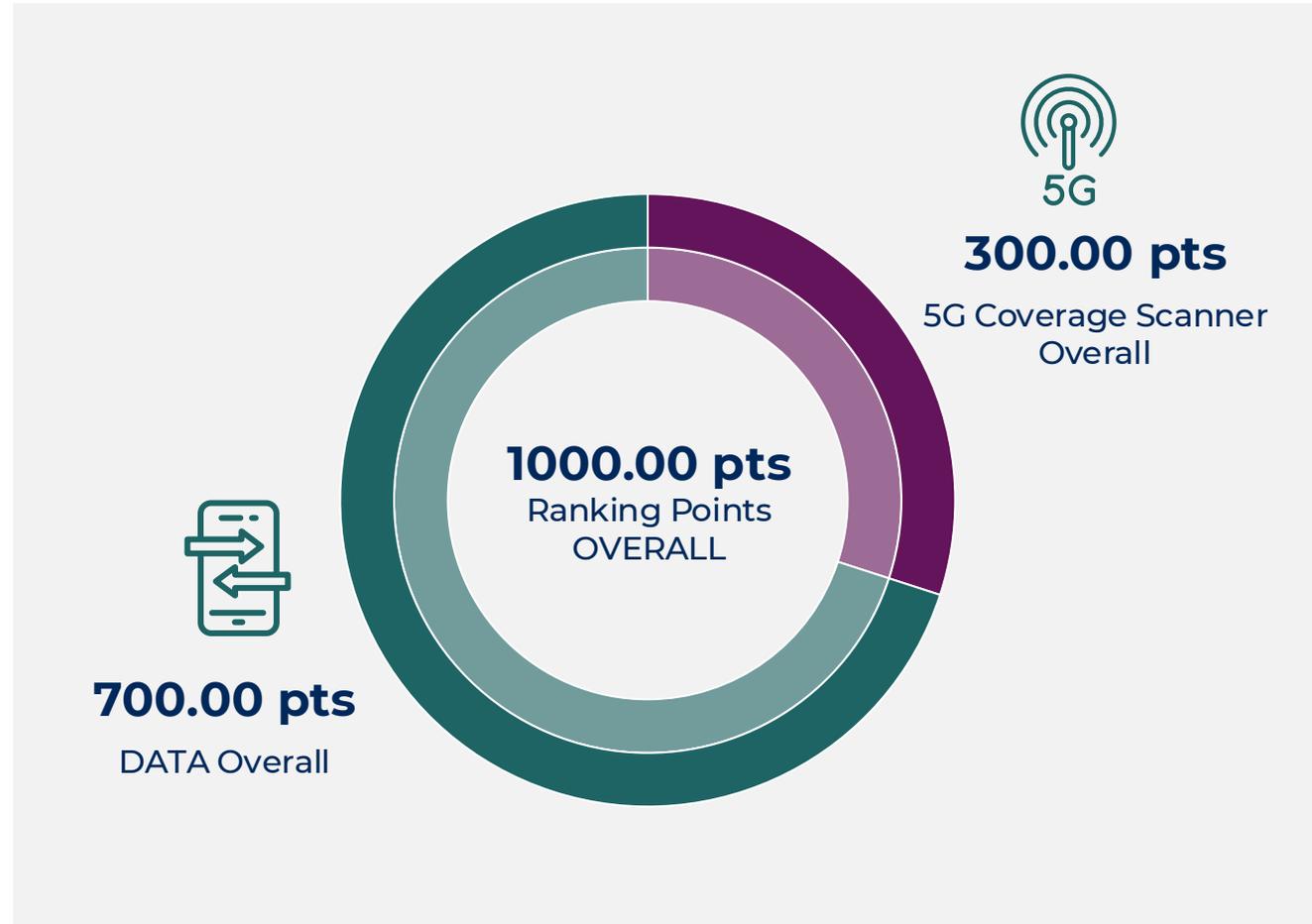
NET CHECK pairs engineering expertise with statistically rigorous methodologies in order to collect data on mobile network performance.

The focus is on precise, unbiased and balanced comparison between different mobile networks.

Different levels of service are evaluated, ranging from basic functionality to full technology potentials.

The needed amount of data is obtained through extensive drive testing.

The Benchmarking Methodology is updated once a year, staying on top of the industry trends.



MEASUREMENT EQUIPMENT

SwissQual Smart Benchmark produced by the market leader Rohde & Schwarz was used. The measuring equipment was placed in the roof box of a passenger car, executing predefined voice and data service testing sequences. Specialized scanner devices were used to measure the available 5G frequency bands and signal levels along the measurement route.

The mobile phones that are a part of the measuring system were cooled down to avoid overheating due to sun and extensive use.

For all tests current models of Samsung Android smartphones were used.

This approach allows for simultaneous performance measurement of all available mobile networks in the same locations.

NET CHECK

NET CHECK
attaches great
importance
to using high
quality and
state-of-the-art
measurement
technology
for all tests

DRIVE TEST ROUTE & MEASUREMENT SETUP

MEASUREMENT PERIOD: 15th of DECEMBER – 19th of DECEMBER 2025
(no measurements on Sundays and during public holidays)



5 big cities
DRIVE TESTS

Beograd
Novi Sad
Nis
Kragujevac
Subotica

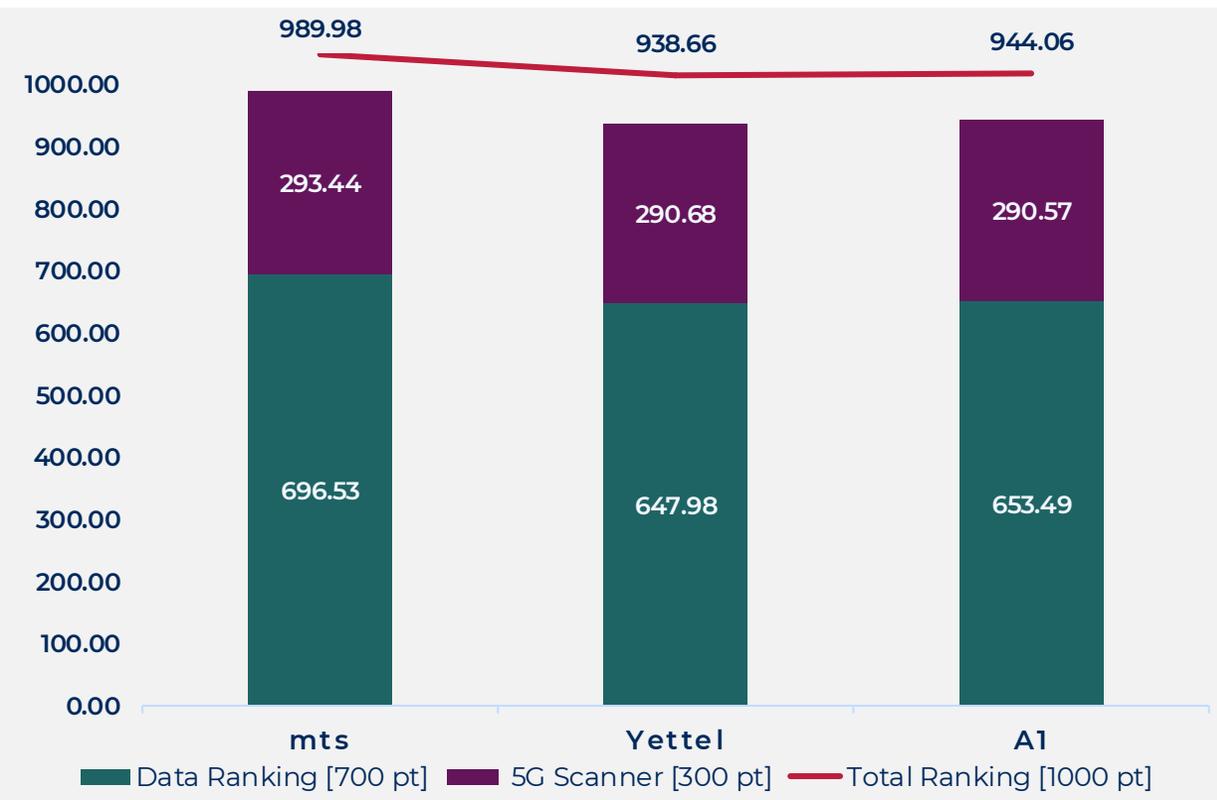
	DATA SERVICES	5G SCANNER SERVICES
DEVICE	Samsung S25+	TSME6 Scanner
MEASUREMENT EQUIPMENT	SwissQual Smart Benchmark II (Rohde & Schwarz)	SwissQual Smart Benchmark II (Rohde & Schwarz)
MEASUREMENT OBJECTIVE	Big Cities	Big Cities
SAMPLE COUNT/TILE	~ 9,800 per operator	~ 13,600 per operator
TEST CASE SCENARIO	YouTube (livestream HD), Web Browsing (Kepler as static, blic, halooglas, tik tok, limundo, novosti, google, Instagram, and wikipedia as dynamic), Download and Upload Tests: <ul style="list-style-type: none"> • HTTP time based (7s): FDTT DL/ UDP FDTT UL • HTTP/ HTTPS file based: FDFS DL/ UL (10MB/5MB), Interactivity Tests 	Automatic Channel Detection (ACD) of 5G frequency bands

OVERALL RESULTS

Telekom Srbija / mts is the best ranked operator

A1 took second place

Yettel ranked third



OVERALL RESULTS

989.98 pt

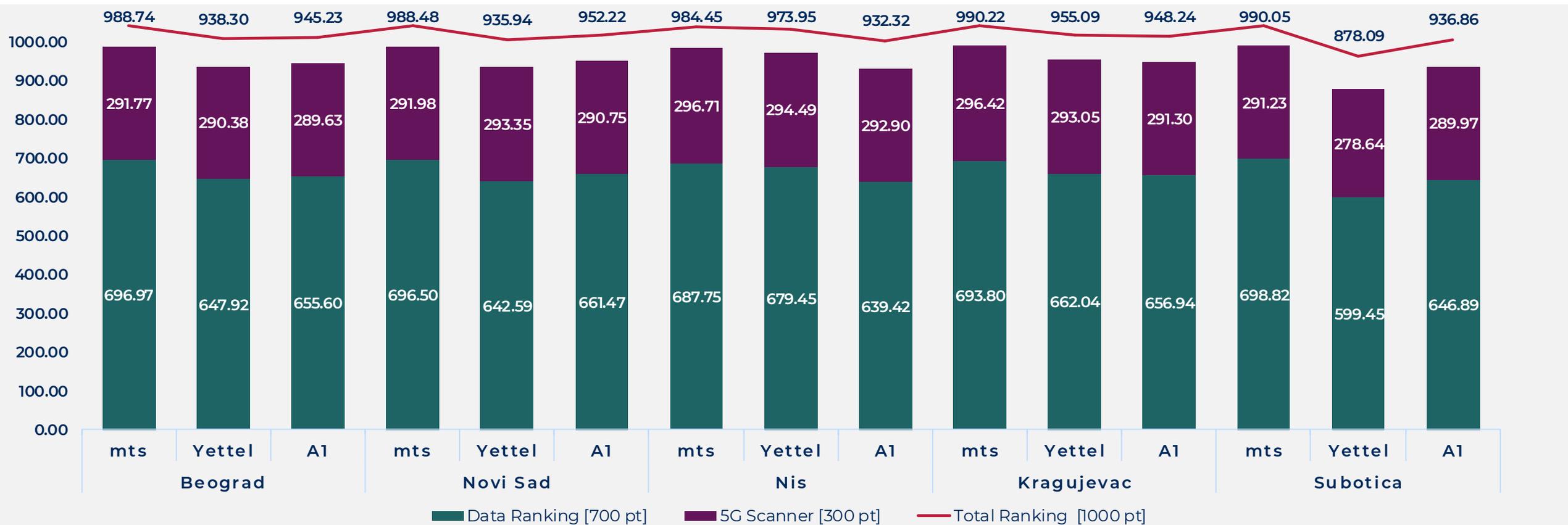
#1: mts



Telekom Srbija

RANKING PER BIG CITY RESULTS

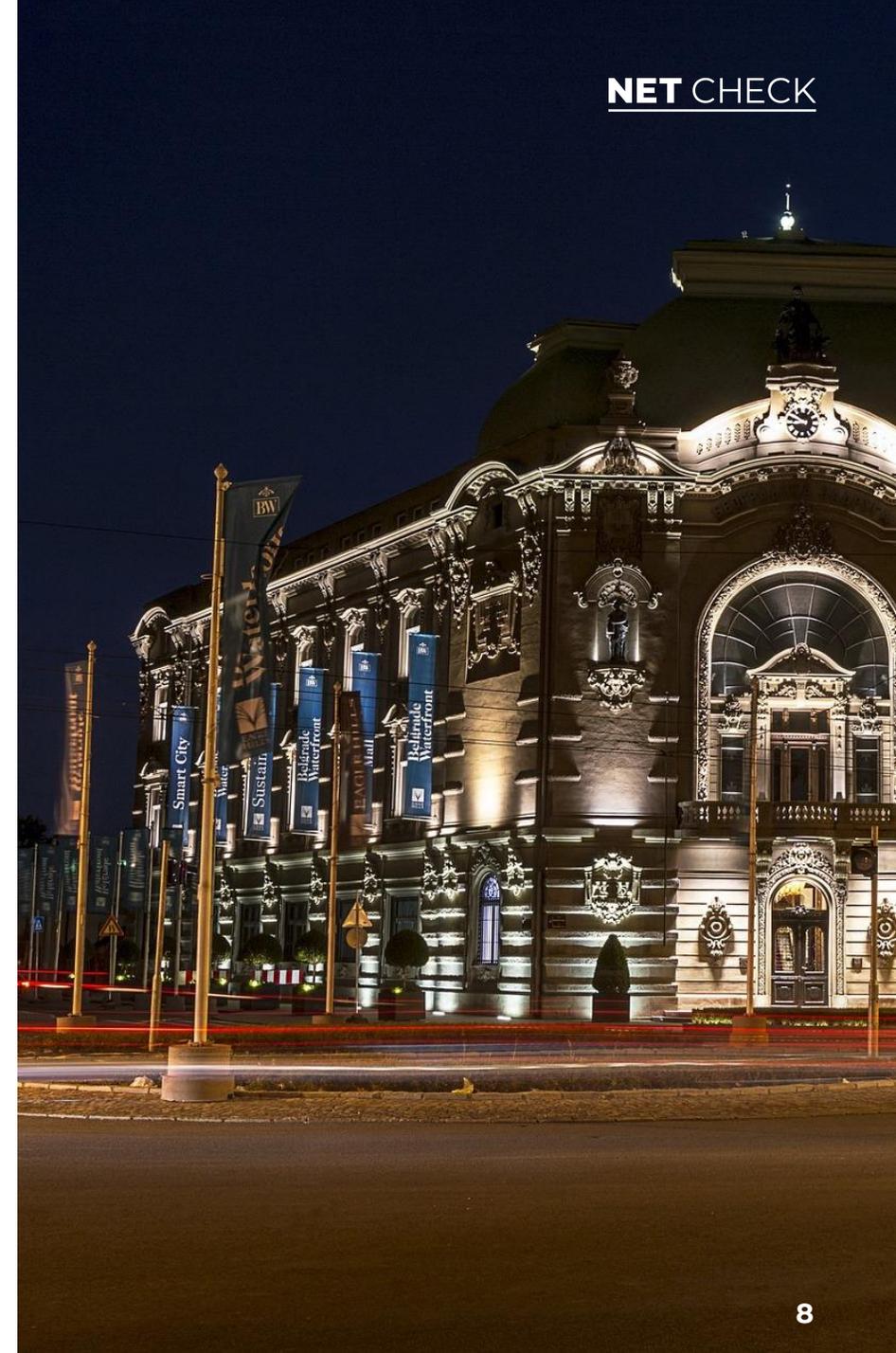
mts is the best ranked in each of 5 largest cities



*Ranking points per city scaled to maximum 1000 pts.

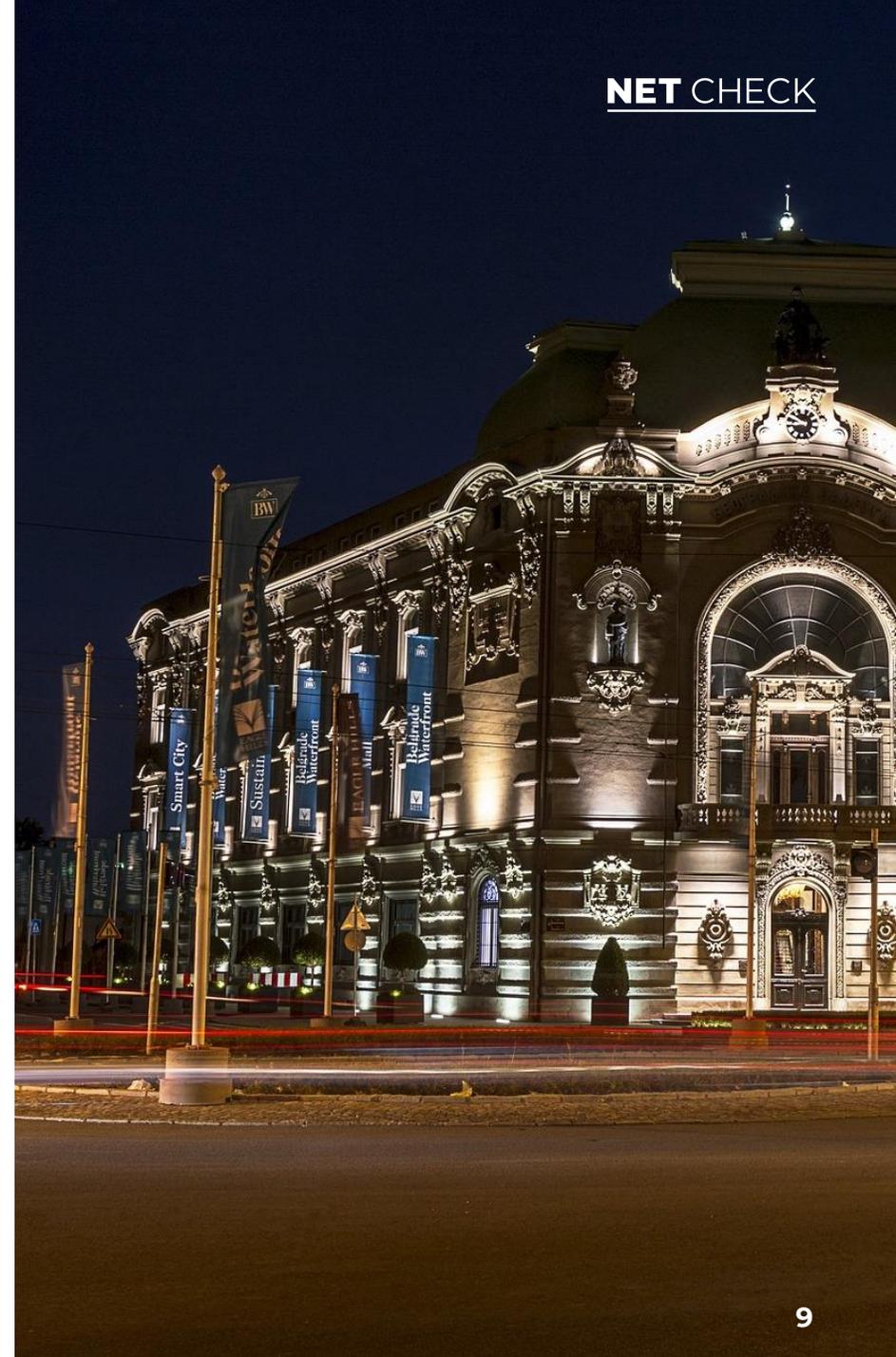
DATA RESULTS (1/2)

DATA DRIVE CITY			
Ranking Identifiers	mts	Yettel	A1
DOWNLOAD (File Size 10MB)			
FDFS DL Success Ratio (%)	100.00%	100.00%	99.76%
UPLOAD (File Size 5MB)			
FDFS UL Success Ratio (%)	100.00%	100.00%	99.76%
DOWNLOAD (Test Duration 7 seconds)			
FDTT DL 10 PCTL Data Rate [Mbit/s]	221.68 [Mbit/s]	60.34 [Mbit/s]	157.47 [Mbit/s]
FDTT DL Average Data Rate [Mbit/s]	628.91 [Mbit/s]	350.08 [Mbit/s]	435.91 [Mbit/s]
FDTT DL 90 PCTL Data Rate [Mbit/s]	975.01 [Mbit/s]	688.38 [Mbit/s]	719.88 [Mbit/s]
UPLOAD (Test Duration 7 seconds)			
FDTT UL 10 PCTL Data Rate [Mbit/s]	34.97 [Mbit/s]	34.39 [Mbit/s]	19.98 [Mbit/s]
FDTT UL Average Data Rate [Mbit/s]	90.35 [Mbit/s]	77.70 [Mbit/s]	69.53 [Mbit/s]
FDTT UL 90 PCTL Data Rate [Mbit/s]	151.36 [Mbit/s]	122.40 [Mbit/s]	123.19 [Mbit/s]



DATA RESULTS (2/2)

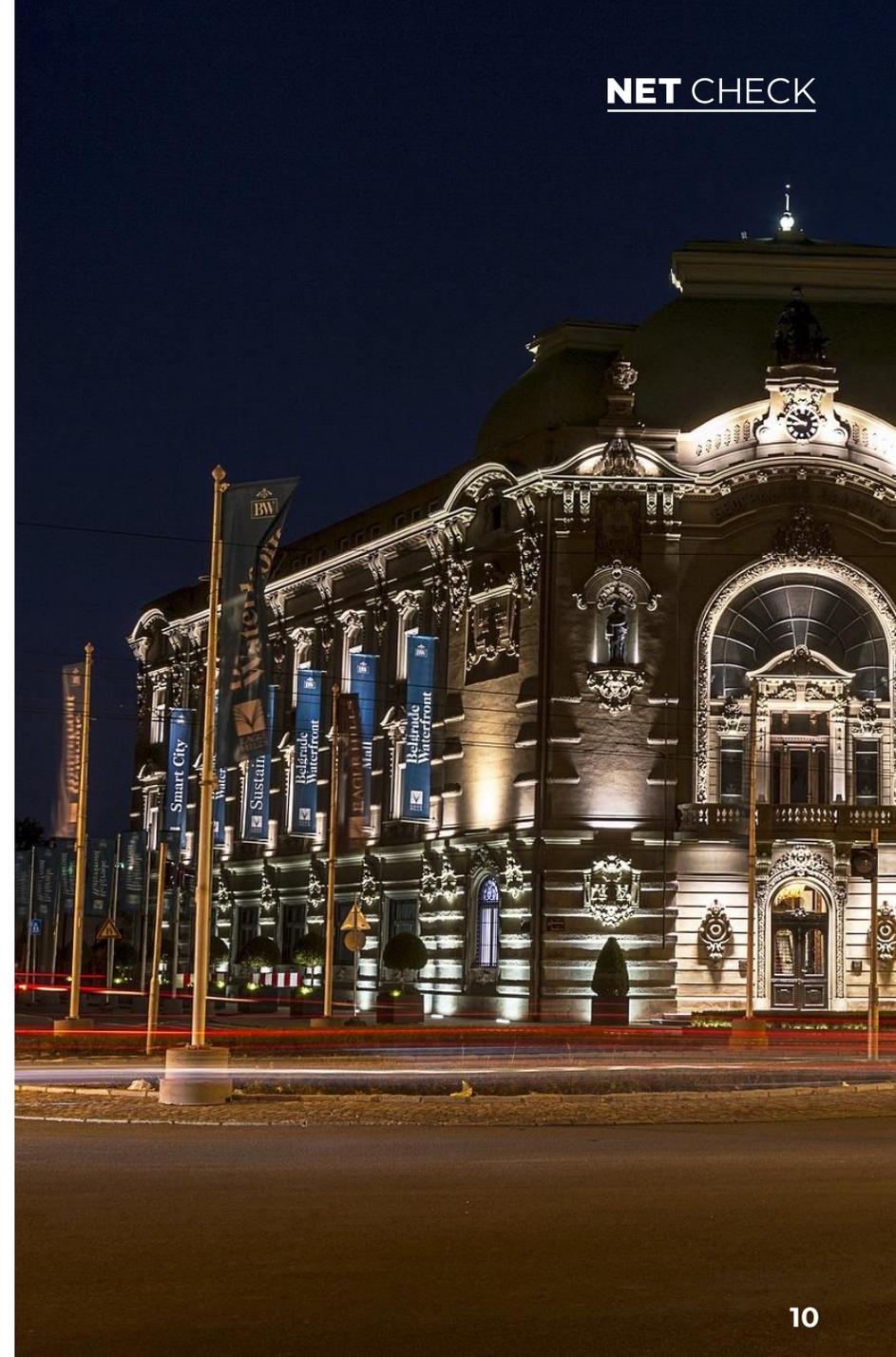
DATA DRIVE CITY			
Ranking Identifiers	mts	Yettel	A1
BROWSING (Web Browsing)			
HTTP Browsing Time to 1MB [ms]	946.53 [ms]	757.47 [ms]	877.47 [ms]
HTTP Browsing Success Ratio (%)	99.70%	100.00%	99.46%
VIDEO STREAM (YouTube Live Stream HD)			
Video Stream Success Ratio (%)	100.00%	100.00%	99.53%
Video Stream TTFP >= 10 s Ratio (%)	0.12%	0.00%	0.00%
Video Stream Irritating Experience Ratio (%)	0.24%	0.00%	0.59%
INTERACTIVITY			
Interactivity Packet Error Ratio (%)	2.01%	4.24%	2.65%
Interactivity Median RTT [ms]	39.28 [ms]	57.71 [ms]	48.31 [ms]



5G COVERAGE SCANNER RESULTS

5G COVERAGE SCANNER

Ranking Identifiers	mts	Yettel	A1
URBAN 5G COVERAGE			
Overall 5G Coverage City (%)	96.55%	96.50%	93.31%
3.6 5G Coverage City (%)	92.76%	88.52%	93.31%



**SERBIA'S
BEST
5G CITY
NETWORK**

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