

Bangladesh Telecommunication Regulatory  
Commission



IEB Bhaban, Ramna, Dhaka - 1000.  
Engineering & Operation Division

Record Number

Date 2/3/2022

14.32.0000.800.48.003.18.474

Drive Test Report

**Subject: Mobile Operators QoS Drive Test Results of Dhaka Division (excluding Dhaka North and South City Corporation area).**

BTRC has conducted comprehensive Quality of Service (QoS) measurement through drive-tests in different locations of Dhaka Division (excluding Dhaka North and South City Corporation area) from 13 December, 2021 to 31 December, 2021.

As per sub-regulation 6(1)(b) of “Bangladesh Telecommunication Regulatory Commission (ANS Operator’s Quality of Service) Regulations 2018”, BTRC is publishing the QoS drive test results of Dhaka Division as follows:

- 2. Drive-test Tools:** Nemo Walker, R&S Scanner, Nemo Invex II & Nemo Windcatcher were used to perform the test.
- 3. Distance Covered:** 1309 KM (Approx.).
- 4. Area Covered:** Dhaka Division (13 Districts, 39 Upazilas and 2 City Corporation (Gazipur and Narayanganj) area) ([Map](#) attached).

**5. QoS Drive Test Results:**

Voice Call KPI	Benchmarks	GP	Robi	BL	TBL
Number of call samples	-	3117	3034	2782	3067
Call Setup Success Rate (Avg.)	>=97%	99.84%	99.51%	99.50%	96.80%
Call Drop Rate (Avg.)	<=2%	0.29%	0.23%	0.32%	2.59%
Call Setup Time (Avg.)	<= 7 Sec	4.11	5.29	5.04	6.00

MOS: Call Quality (Avg.)	= 3.5	3.83	3.82	3.79	3.52
--------------------------	-------	------	------	------	------

Data Throughput KPI	Benchmarks	GP	Robi	BL	TBL
Number of samples (DL Data)	-	1062	903	905	632
Number of samples (UL Data)	-	1857	1818	1650	1036
4G DL FTP Data Throughput (Avg.) (Mbps)	>= 7 Mbps	6.99	6.41	8.01	2.80
4G UL FTP Data Throughput (Avg.) (Mbps)	>= 1 Mbps	13.22	11.44	9.80	5.07
3G DL FTP Data Throughput (Avg.) (Mbps)	>= 2 Mbps	2.24	8.51	3.31	1.76
3G UL FTP Data Throughput (Avg.) (Mbps)	>= 128 Kbps	2.93	1.89	2.18	1.76

Service Coverage KPI (Avg.)	Benchmarks	GP	Robi	BL	TBL
2G coverage (dBm)	>= -80 dBm (City Corp. Area) <sup>1</sup>	-52.40	-53.86	-50.20	-57.40
3G coverage (dBm)		-69.03	-71.62	-69.36	-76.17
4G coverage (dBm)		-86.66	-86.88	-82.85	-94.97
2G coverage (dBm)	>= -90 dBm (Area other than City Corporation)	-58.18	-61.02	-58.29	-68.97
3G coverage (dBm)		-71.60	-75.49	-73.61	-78.98
4G coverage (dBm)		-92.67	-92.82	-92.45	-100.61

Note:

1. City Corporation Area: Two City Corporation (Gazipur and Narayanganj) area covered in this drive-test.

**Non-Compliant**



02-03-2022

MD GOLAM RAZZAQUE  
Director

Copy:

1) BTRC's Website.

### Area Map of QoS Drive Test (Dhaka Division):

