



**Bangladesh Telecommunication Regulatory
Commission**



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

Record Number
14.32.0000.800.48.003.18.182

Date 26/1/2022

Drive Test Report

Subject: Mobile Operators QoS Drive Test Results of Khulna Division.

BTRC has conducted comprehensive Quality of Service (QoS) measurement through drive-tests in different locations of Khulna Division from 2 November, 2021 to 27 November, 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 Khulna 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:** 2259 KM (Approx.).

4. **Area Covered:** Khulna Division (10 Districts & 44 Upazila) ([Map](#) attached).

5. **QoS Drive Test Results:**

Voice Call KPI	Benchmarks	GP	Robi	BL	TBL
Number of call samples	-	4497	4391	4139	4302
Call Setup Success Rate (Avg.)	>=97%	99.96%	99.07%	99.54%	96.98%
Call Drop Rate (Avg.)	<=2%	0.07%	0.32%	0.10%	1.60%
Call Setup Time (Avg.)	<= 7 Sec	4.39	5.42	5.14	6.11
MOS: Call Quality (Avg.)	>= 3.5	3.66	3.38	3.69	3.33

Data Throughput KPI	Benchmarks	GP	Robi	BL	TBL
Number of samples (DL Data)	-	714	746	672	410
Number of samples (UL Data)	-	1935	2355	1594	1249
4G DL FTP Data Throughput (Avg.) (Mbps)	>= 7 Mbps	5.06	3.32	4.59	1.71

4G UL FTP Data Throughput (Avg.) (Mbps)	>= 1 Mbps	8.54	14.87	9.29	4.27
3G DL FTP Data Throughput (Avg.) (Mbps)	>= 2 Mbps	2.61	1.98	1.76	1.46
3G UL FTP Data Throughput (Avg.) (Mbps)	>= 128 Kbps	1.54	1.69	1.84	2.04

Service Coverage KPI	Benchmarks	GP	Robi	BL	TBL
2G coverage (Avg.) (dBm)	>= -80 dBm (City Corp. Area)	-52.48	-56.71	-51.69	-53.97
3G coverage (Avg.) (dBm)		-69.67	-74.17	-70.24	-78.40
4G coverage (Avg.) (dBm)		-87.09	-89.51	-85.04	-91.18
2G coverage (Avg.) (dBm)	>= -90 dBm (Area other than City Corporation)	-62.22	-65.95	-61.19	-71.77
3G coverage (Avg.) (dBm)		-74.34	-78.62	-75.04	-81.57
4G coverage (Avg.) (dBm)		-95.86	-95.98	-94.36	-103.51

Non - Compliant



01-02-2022

MD GOLAM RAZZAQUE
Director (E&O)

Copy:

1) BTRC's Website.

Area Map of QoS Drive Test (Khulna Division):

