



Bangladesh Telecommunication Regulatory
Commission

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



Record Number
14.32.0000.800.48.003.18.178

Date 20/1/2022

Drive Test Report

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

BTRC has conducted comprehensive Quality of Service (QoS) measurement through drive-tests in different locations of Barishal Division from 25 October, 2021 to 1 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 Barishal 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:** 620 KM (Approx.)

4. **Area Covered:** Barishal Division (4 Districts & 13 Upazila) ([Map](#) attached)

5. **QoS Drive Test Results:**

Voice Call KPI	Benchma rks	GP	Robi	BL	TBL
Number of call samples	-	1441	1414	1227	1394
Call Setup Success Rate (Avg.)	>=97%	99.93%	99.15%	97.47%	96.84%
Call Drop Rate (Avg.)	<=2%	0.21%	0.22%	0.64%	1.62%
Call Setup Time (Avg.)	<= 7 Sec	4.53	5.50	5.01	6.16
MOS: Call Quality (Avg.)	>= 3.5	3.62	3.33	3.62	3.40

Data Throughput KPI	Benchmarks	GP	Robi	BL	TBL
Number of samples (DL Data)	-	224	200	155	89
Number of samples (UL Data)	-	794	802	491	420
4G DL FTP Data Throughput (Avg.) (Mbps)	>= 7 Mbps	5.05	6.87	5.68	2.27
4G UL FTP Data Throughput (Avg.) (Mbps)	>= 1 Mbps	9.52	11.40	8.77	4.77
3G DL FTP Data Throughput (Avg.) (Mbps)	>= 2 Mbps	3.01	2.29	1.01	1.50
3G UL FTP Data Throughput (Avg.) (Mbps)	>= 128 Kbps	2.17	1.85	1.59	1.41

Service Coverage KPI	Benchmarks	GP	Robi	BL	TBL
2G coverage (Avg.) (dBm)	>= -80 dBm (City Corp. Area)	-52.15	-62.27	-57.69	-60.74
3G coverage (Avg.) (dBm)		-66.75	-73.66	-72.83	-77.22
4G coverage (Avg.) (dBm)		-84.23	-93.93	-91.39	-95.40
2G coverage (Avg.) (dBm)	>= -90 dBm (Area other than City Corporation)	-61.70	-65.86	-65.16	-73.23
3G coverage (Avg.) (dBm)		-71.16	-76.21	-75.98	-80.18
4G coverage (Avg.) (dBm)		-94.28	-95.50	-97.93	-100.63

Non-Compliant



25-01-2022

MD GOLAM RAZZAQUE
Director

Copy:

1) BTRC's Website.

Area Map of QoS Drive Test (Barishal Division):

