



**Bangladesh Telecommunication Regulatory  
Commission**



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

Record Number  
14.32.0000.800.48.003.18.2148

Date 19/12/2021

**Drive Test Report**

**Subject: Mobile Operators QoS Drive Test Results of Rajshahi Division.**

BTRC has conducted comprehensive Quality of Service (QoS) measurement through drive test in different locations of Rajshahi Division from 29 August, 2021 to 22 September, 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 Rajshahi 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:** 2246 Km (Approx.).

4. **Area Covered:** Rajshahi Division (8 Districts & 44 Upazila) ([Map](#) attached).

**5. QoS Drive Test Results:**

Voice Call KPI	Benchmarks	GP	Robi	BL	TBL
Number of call samples	-	4335	4265	4059	4266
Call Setup Success Rate (Avg.)	>=97%	99.56%	98.52%	98.52%	97.00%
Call Drop Rate (Avg.)	<=2%	0.07%	0.61%	0.49%	1.30%
Call Setup Time (Avg.)	<= 7 Sec	4.53	5.64	5.05	6.23
MOS: Call Quality (Avg.)	>= 3.5	3.63	3.29	3.58	3.46

Data Throughput KPI	Benchmarks	GP	Robi	BL	TBL
Number of samples (DL Data)	-	1177	1034	862	425
Number of samples (UL Data)	-	2715	2648	1925	1072
4G DL FTP Data Throughput (Avg.) (Mbps)	>= 7 Mbps	4.45	6.28	7.05	2.58

4G UL FTP Data Throughput (Avg.) (Mbps)	>= 1 Mbps	8.90	10.33	10.76	3.90
3G DL FTP Data Throughput (Avg.) (Mbps)	>= 2 Mbps	2.87	2.67	2.40	1.49
3G UL FTP Data Throughput (Avg.) (Mbps)	>= 128 Kbps	1.60	1.32	1.81	1.20

Service Coverage KPI	Benchmarks	GP	Robi	BL	TBL
2G coverage (Avg.) (dBm)	>= -80 dBm (City Corp. Area)	-53.95	-61.45	-56.77	-58.37
3G coverage (Avg.) (dBm)		-67.40	-74.95	-74.70	-77.19
4G coverage (Avg.) (dBm)		-87.46	-93.37	-94.36	-93.83
2G coverage (Avg.) (dBm)	>= -90 dBm (Area other than City Corporation)	-59.85	-65.95	-62.00	-71.84
3G coverage (Avg.) (dBm)		-70.66	-76.03	-76.35	-78.67
4G coverage (Avg.) (dBm)		-94.24	-96.38	-99.07	-101.09

**Non-Compliant**



21-12-2021

**MD GOLAM RAZZAQUE**  
Director

Copy:

1) BTRC's Website.

Area Map of QoS Drive Test (Rajshahi Division)

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