



**Bangladesh Telecommunication Regulatory
Commission**



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

Record Number
14.32.0000.800.48.003.18.111

Date 13/1/2022

Drive Test Report

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

BTRC has conducted comprehensive Quality of Service (QoS) measurement through drive test in different locations of Rangpur Division from 07 October, 2021 to 20 October, 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 Rangpur 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:** 1394 Km (Approx.)
4. **Area Covered:** Rangpur Division (07 Districts & 28 Upazila) ([Map](#) attached)
5. **QoS Drive Test Results:**

Voice Call KPI	Benchmarks	GP	Robi	BL	TBL
Number of call samples	-	2656	2669	2496	2643
Call Setup Success Rate	>=97%	99.77%	98.99%	99.28%	98.30%
Call Drop Rate	<=2%	0.27%	0.54%	0.24%	0.77%
Call Setup Time (Avg.)	<= 7 Sec	4.21	5.45	4.89	6.17
MOS: Call Quality (Avg.)	>= 3.5	3.60	3.25	3.61	3.66

Data Throughput KPI	Benchmarks	GP	Robi	BL	TBL
Number of samples (DL Data)	-	576	553	440	260
Number of samples (UL Data)	-	1642	1657	1217	776

4G DL FTP Data Throughput (avg) (Mbps)	>= 7 Mbps	5.06	8.36	6.82	2.48
4G UL FTP Data Throughput (avg) (Mbps)	>= 1 Mbps	10.62	12.71	11.24	4.02
3G DL FTP Data Throughput (avg) (Mbps)	>= 2 Mbps	1.17	3.30	2.88	1.18
3G UL FTP Data Throughput (avg) (Mbps)	>= 128 Kbps	1.85	1.51	1.91	1.21

Service Coverage KPI	Benchmarks	GP	Robi	BL	TBL
2G coverage (Avg.) (dBm)	>= -80 dBm (City Corp. Area)	-54.90	-61.35	-60.13	-64.64
3G coverage (Avg.) (dBm)		-68.16	-73.81	-75.19	-73.64
4G coverage (Avg.) (dBm)		-89.63	-91.10	-93.88	-97.29
2G coverage (Avg.) (dBm)	>= -90 dBm (Area other than City Corporation)	-59.85	-65.91	-63.66	-70.26
3G coverage (Avg.) (dBm)		-71.02	-76.82	-76.34	-77.49
4G coverage (Avg.) (dBm)		-94.12	-95.99	-97.61	102.22

Non-Compliant



15-01-2022

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Copy:

1) BTRC's Website.

Area Map of QoS Drive Test (Rangpur Division):

