

Operator Assisted Drive Test Report

For

Aurangabad

13th to 16th June 2023

Aurangabad-Shirdi (NH) – 98 Kms

(13th June 2023)

Aurangabad City & Surrounding Area – 324 Kms

(14th to 16th June 2023)

TRAI RO, Bengaluru Operator-Assisted

Key Performance Indicators:

- All TSPs have met the 2% QOS benchmark of Drop Call Rate except BSNL 2G & 3G.
- All TSPs have met the 3% QOS benchmark of Call Block Rate.
- All 2G/3G/4G TSPs except BSNL 3G, JIO 4G & VIL 4G have met the Rx Quality.
- All 2G/3G/4G TSPs except BSNL 2G & 3G have met the Mobility HOSR.

The Operator Assisted Drive Test has been carried out by Regional Office, Bangalore with the help of Service Providers from **13th Jun 2023 to 16th Jun 2023** The drive test covered the route of **422 KMs** including **NH of 98 Kms & 6 hotspots**. Approximately **500 calls** were made for each of the 7 networks: three 2G networks, one 3G network and three LTE networks covering four TSPs.

Overview

Voice
Summary

Data
Summary

Overview

Regional Office, TRAI Bengaluru conducted Operator Assisted Drive Test from **13th Jun 2023 to 16th Jun 2023** covering various locations in **Aurangabad City & surrounding region**. The performance of Airtel, BSNL, Vodafone Idea and Jio were monitored across various technologies (2G, 3G and 4G/4G). The test results obtained from these drive tests were utilized to assess the network quality for Voice and Data services in terms of

Voice: Coverage, Quality, Hand Over Success Rate, Call Setup Success Rate, Drop Call Rate and Block Call Rate.

Data: Download and Upload Throughputs, Web Browsing Delay and Latency

Drive Test Details:

Voice Tests: Calls were made for 90 sec duration with wait time of 10 sec between calls in all technologies. The drive test covered a drive route of approximately **422 KMs** including **NH of 98 Kms** over a period of 4 days from **13th Jun 2023 to 16th Jun 2023**. Approximately 500 calls were made for each of the 7 networks: three 2G (Lock Mode) networks, one 3G (Dual mode) networks and three 4G network covering 4 unique TSPs.

Data Tests: Dynamic data test (Test Data on Move) was conducted for 422 KMs including NH of 98 Kms over a period of 3 days for download throughput for 3G & 4G technology. Data Tests were performed at 6 static locations; three 2G (Lock mode) networks, one 3G (Dual mode) networks and three 4G (Free mode) networks covering 4 unique TSPs were tested. **All the data through put figure mentioned in the report are based on the average value.**

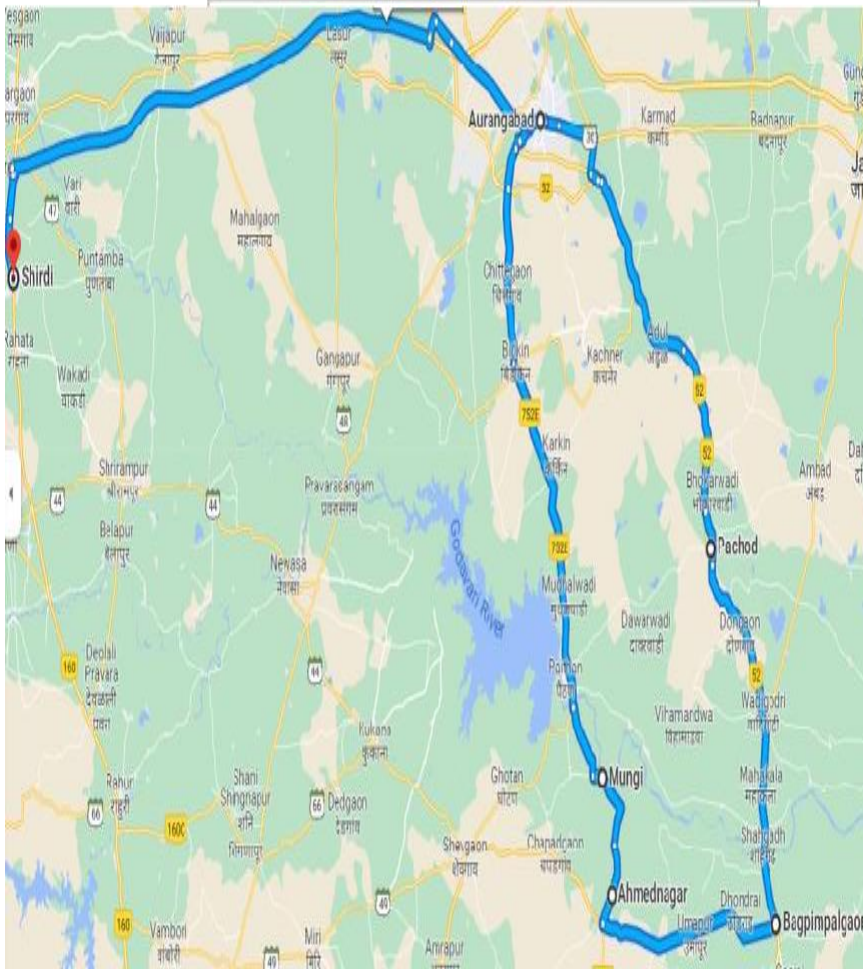
* For Voice and Data KPI's, 2G measurement is done with UE locked on 2G, 3G measurement is done with UE in Dual mode (2G & 3G) and 4G measurement is done with UE in Free Mode.

* 3G KPI's which are calculated from UE in Dual Mode (2G & 3G) includes samples and events of 2G.

* 4G KPI's which are calculated from the UE in Free Mode included samples and events of 2G & 3G.

Service	Specifications
Download	2G (Locked) - 500KB, 3G (Dual) - 20 MB, 4G (Free) - 40 MB
Upload	2G (Locked) - 100KB, 3G (Dual) - 5 MB, 4G (Free) - 10 MB
Web Browsing	3 links of e/m commerce website www.amazon.in , www.flipkart.com and PayTm
Latency	32 Bytes on www.google.com
Video Streaming	130 secs clip

Voice & Dynamic Data Test (Data Test on Move) Drive Route



Areas covered	
Aurangabad City	Pachod
Vaijapur	Dodadgaon
Kopergaon	Bag Pimpalgaon
Shirdi	Bodhegaon
Cidco	Pategaon
Chikalthana	Paithan
Sundarwadi	Mudhalwadi
Chitegaon	Dhorkin
Dabhrul	Bidkin
Adul	Kanchanwadi

Areas covered	
DAY 1	Aurangabad to Shirdi
DAY 2	Aurangabad - Sundarwadi - Chitegaon - Dabhrul - Dodadgaon - Bagpimpalgaon - Bodhegaon - Pategaon - Mudhalwadi - Aurangabad
DAY 3	Aurangabad City Drive
DAY 4	Static Locations

Data Service Test- Static Locations



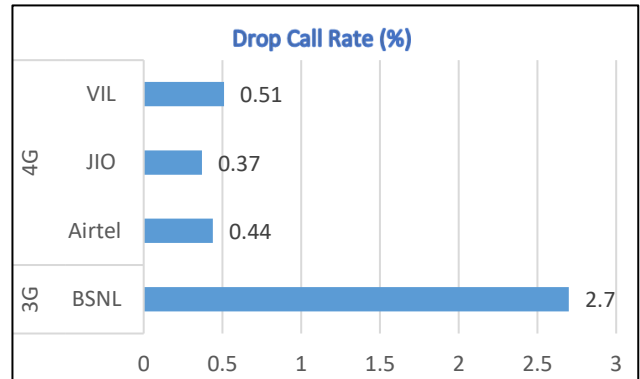
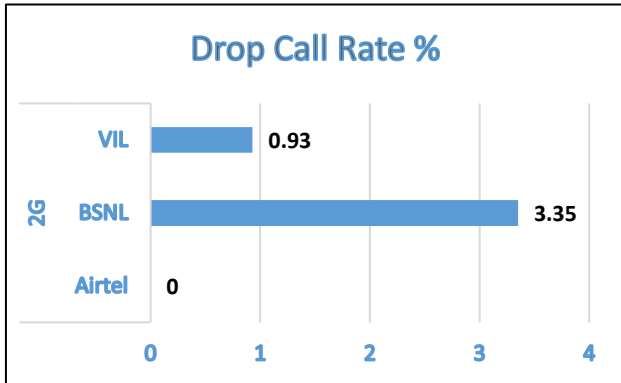
1. Sai Nagar Shirdi
2. Prozone Mall, Aurangabad
3. Collector office Aurangabad
4. Central Bus Stand, Aurangabad
5. Railway Station Aurangabad
6. Dr. Babasaheb Ambedkar Marathwada University

Voice Calls

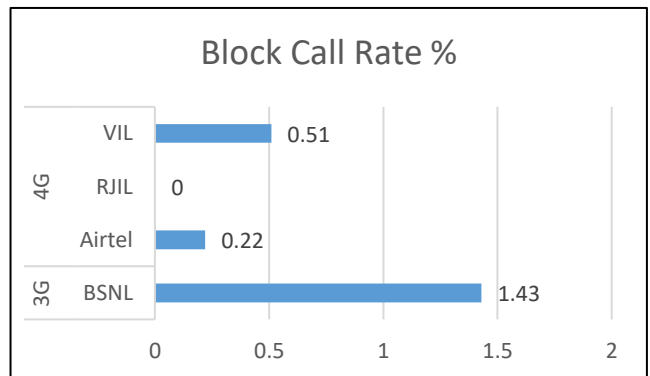
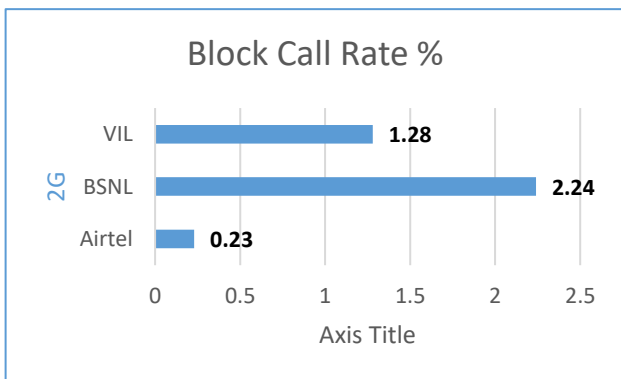
Key Observations

QoS compliance of the TSPs for Voice across technologies 2G/3G/4G-4G:

Drop Call Rate (%)



Block Call Rate (%)



KPIs	2G			3G	4G		
	Airtel	BSNL	VIL	BSNL	Airtel	RJIL	VIL
Drop Call Rate %	0	3.35	0.93	2.7	0.44	0.37	0.51
Block Call Rate %	0.23	2.24	1.28	1.43	0.22	0	0.51

- a) All TSPs have met the 2% QOS benchmark of Drop Call Rate except BSNL 2G & 3G.
- b) All TSPs have met the 3% QOS benchmark of Call Block

Voice Calls

Key Observations

Coverage

a) Percentage of coverage samples for 2G \geq -85 dBm.

TSPs	2G		
	Airtel	BSNL	VIL
Coverage%	71.03	81.04	90.49

b) Percentage of coverage samples for 3G \geq -90 dBm & LTE \geq -110 dBm.

TSPs	3G	4G		
	BSNL	Airtel	JIO	VIL
Coverage %	75.98	96.3	98.4	91.08

c) Percentage of time spent on 3G/4G network

TSPs	3G	4G		
	BSNL	Airtel	JIO	VIL
Time Spent on 3G/4G%	56.79	100	100	99.66

Summary

City Level Summary

Voice Call	2G		
	Airtel	BSNL	VIL
Call Attempt	429	489	547
Blocked Call Rate (%)	0.23	2.24	1.28
CSSR% (Accessibility)	99.76	97.75	98.72
Drop Call Rate (%)	0	3.35	0.93
Rx Quality (%)	95.52	97.95	95.19
Mobility HOSR (%)	99.75	93.43	97.52

Voice Call	3G/4G			
	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G
Call Attempt	488	446	538	591
Blocked Call Rate (%)	1.43	0.22	0	0.51
CSSR% (Accessibility)	98.6	99.77	100	99.49
Drop Call Rate (%)	2.7	0.44	0.37	0.51
Rx Quality (%)	94.04	95.17	89	86.92
Mobility HOSR (%)	94.02	100	99.2	99.53

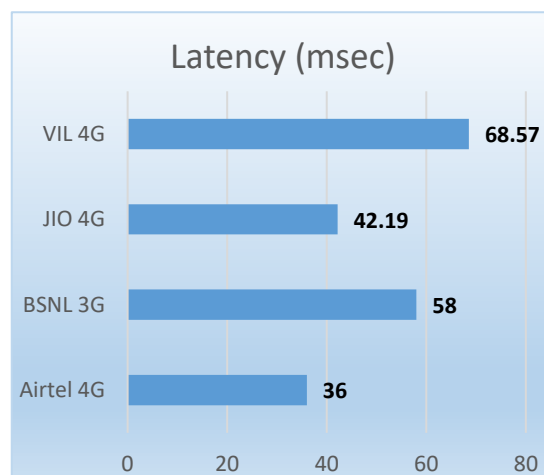
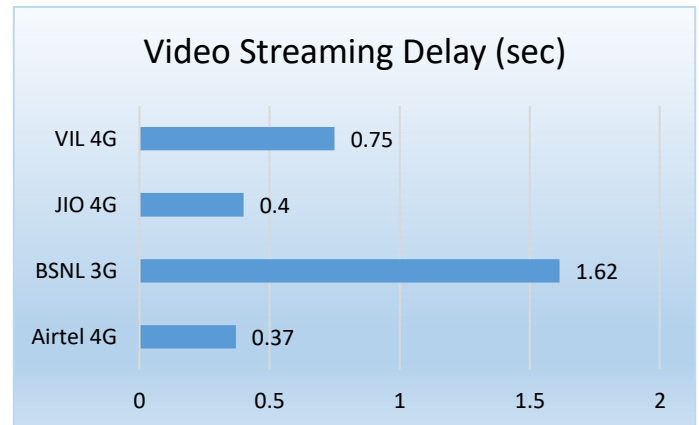
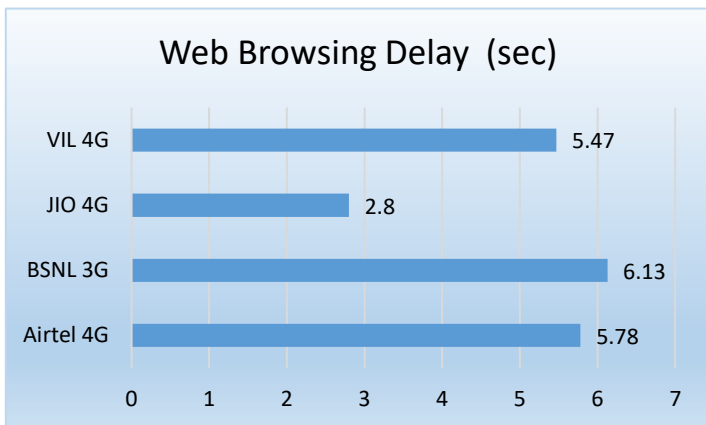
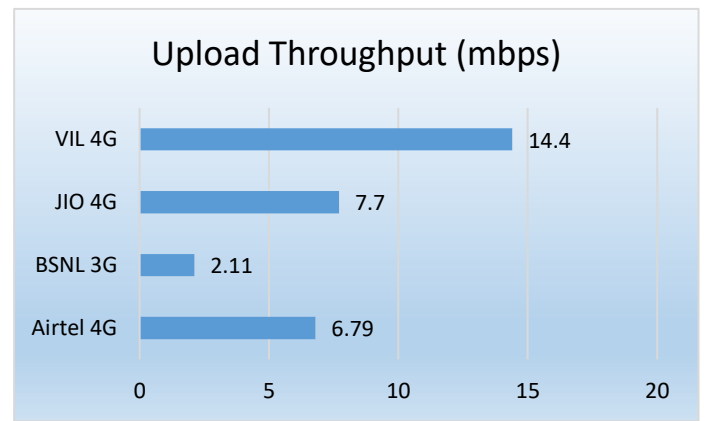
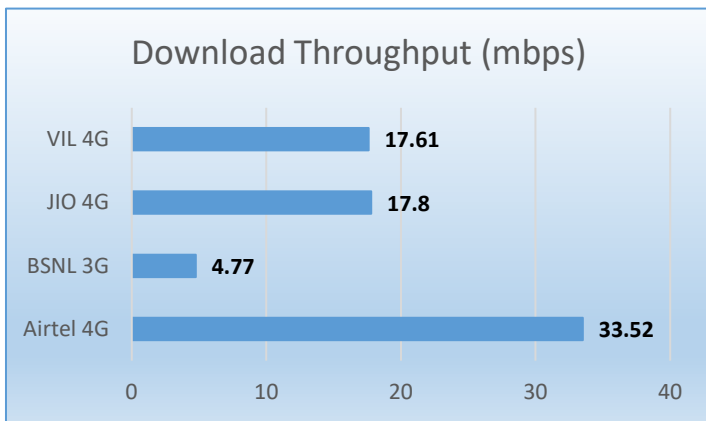
Data Services Static

Key Observations

Data was tested at 6 locations .Following services were tested: Data Download/Upload, Latency (www.google.com), and Web browsing (Flipkart, Amazon, PayTm)

Data Download, Upload Performance (Mbps), Web Browsing delay, Video Streaming and Latency 3G/4G

3G/4G/ Network:



Summary

City Level Summary(contd.)

Data Services Static	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	22.50	140.30	121.98
Upload Throughput (kbps)	16.66	65.07	76.95
Web Browsing Delay (sec)	34.54	32.12	27.00
Latency (msec)	243.00	252.87	189.67

Data Services Static	3G/4G			
	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	4.77	33.52	17.8	17.61
Upload Throughput (mbps)	2.11	6.79	7.7	14.4
Web Browsing Delay (sec)	6.13	5.78	2.8	5.47
Video Streaming Delay (sec)	1.62	0.37	0.4	0.75
Latency (msec)	58	36	49.6	68.57

Data Services Dynamic (Data Test on Move)	3G/4G			
	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	2.78	7.61	15.3	7.41
Upload Throughput (mbps)	0.026	3.81	2.8	3.87

Summary

City Level Data Services Static(contd.)

Data Services Static – Sai Nagar Shirdi	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	29.38	177.72	110.14
Upload Throughput (kbps)	15.12	63.69	94.48
Web Browsing Delay (sec)	35.78	31.41	40.18
Latency (ms)	242.4	176	248

Data Services Static –Sai Nagar Shirdi	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	2.39	40.15	6.2	15.97
Upload Throughput (Mbps)	1.9	6.08	12.46	21.174
Web Browsing Delay (sec)	6.78	6.04	3.9	3.967
Video Streaming Delay (sec)	1.97	0.37	0.41	0.574
Latency (ms)	68	35.6	60.6	38

Data Services Static – Prozon Mall Aurangabad	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	17.83	174.09	110.14
Upload Throughput (kbps)	14.43	69.52	68.02
Web Browsing Delay (sec)	36.16	31.85	24.88
Latency (msec)	238.4	216	163

Data Services Static - Prozon Mall Aurangabad	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	7.26	30.73	15.26	25.29
Upload Throughput (Mbps)	2.31	7.36	2.84	8.74
Web Browsing Delay (sec)	4.38	5.6	2.38	4.68
Video Streaming Delay (sec)	0.89	0.35	0.35	0.54
Latency (ms)	56	32.8	50	60.6

Summary

City Level Data Services Static(contd.)

Data Services Static – Collector Office Aurangabad	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	27.21	147.42	157.48
Upload Throughput (kbps)	23.34	66.55	70.22
Web Browsing Delay (sec)	29.26	33.42	24.45
Latency (ms)	247	238.00	168

Data Services Static- Collector Office Aurangabad	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	7.1	29.31	17.72	9.53
Upload Throughput (Mbps)	2.1	8.33	7.18	4.5
Web Browsing Delay (sec)	5.85	5.64	2.32	7.46
Video Streaming Delay (sec)	1.14	0.37	0.33	1.07
Latency (ms)	48.8	40	48	92

Data Services Static – Central Bus Stand Aurangabad	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	17.84	70.2	102.88
Upload Throughput (kbps)	10.33	28.39	77.4
Web Browsing Delay (sec)	36.52	31.63	19.68
Latency (msec)	245	359	170

Data Services Static – Central Bus Stand Aurangabad	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	3.27	24.93	14.48	12.88
Upload Throughput (Mbps)	1.99	6.69	7.4	11.3
Web Browsing Delay (sec)	7.47	5.64	2.42	6.92
Video Streaming Delay (sec)	2.13	0.35	0.42	0.64
Latency (ms)	59	39	40	56

Summary

City Level Data Services Static(contd.)

Data Services Static – Railway Station Aurangabad	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	26.18	104.34	136.26
Upload Throughput (kbps)	24.46	76.28	80.54
Web Browsing Delay (sec)	34.84	33.17	24.2
Latency (ms)	243	364.60	228

Data Services Static – Railway Station Aurangabad	3G/4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	3.67	35.54	18.26	22.38
Upload Throughput (Mbps)	2.26	5.06	8.2	21.58
Web Browsing Delay (sec)	6.99	5.68	2.94	4.81
Video Streaming Delay (sec)	1.71	0.33	0.4	0.74
Latency (ms)	58	39	44	76

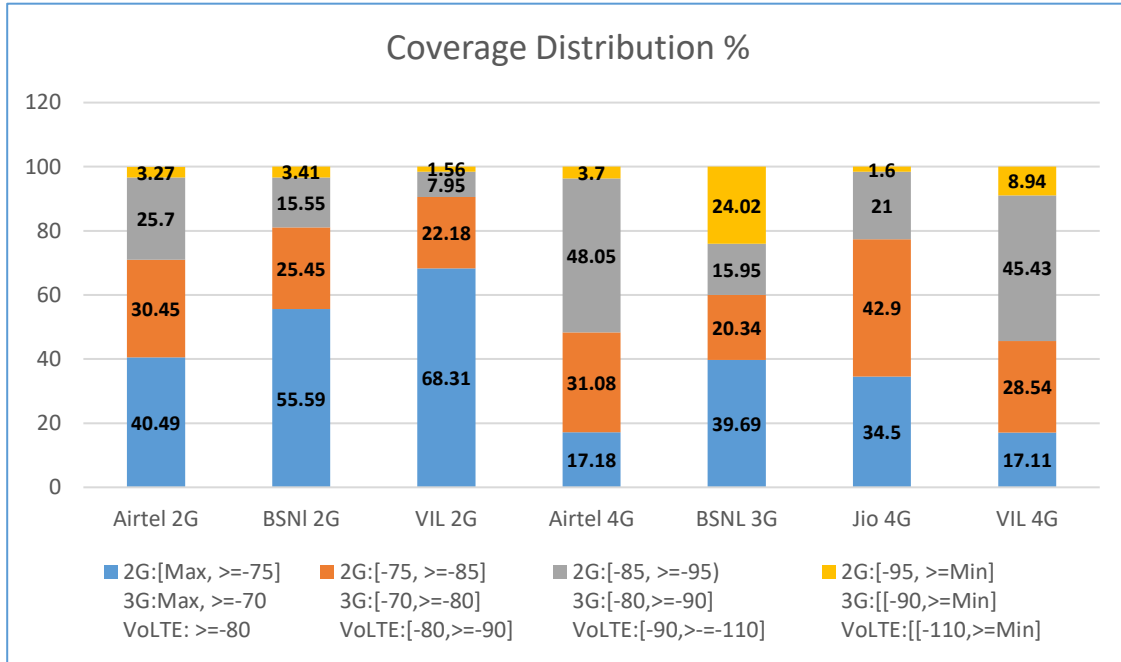
Data Services Static – Dr. Ambedkar Marathwada University	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	16.59	168.03	114.96
Upload Throughput (kbps)	12.31	85.96	71.05
Web Browsing Delay (sec)	34.66	31.23	28.62
Latency (msec)	245.8	164.00	161

Data Services Static – Dr. Ambedkar Marathwada University	3G/4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	4.92	40.45	34.62	19.63
Upload Throughput (Mbps)	2.09	7.2	8.02	19.08
Web Browsing Delay (sec)	4.55	6.1	2.8	5.01
Video Streaming Delay (sec)	1.85	0.42	0.43	0.93
Latency (ms)	58	36	54	89

I. Coverage Details

RF Coverage relates to the geographical footprint within the system that has sufficient RF signal strength to provide for a call session. The Coverage rate is calculated on the basis of % of samples in which the Rx level ≥ -85 dBm, RSCP is ≥ -90 dBm & RSRP ≥ -110 dBm. The details are as follows.

TSP	Coverage Rate %
Airtel 2G	71.03
BSNL 2G	81.04
VIL 2G	90.49
Airtel 4G	96.3
BSNL 3 G	75.98
Jio 4G	98.4
VIL 4G	91.08

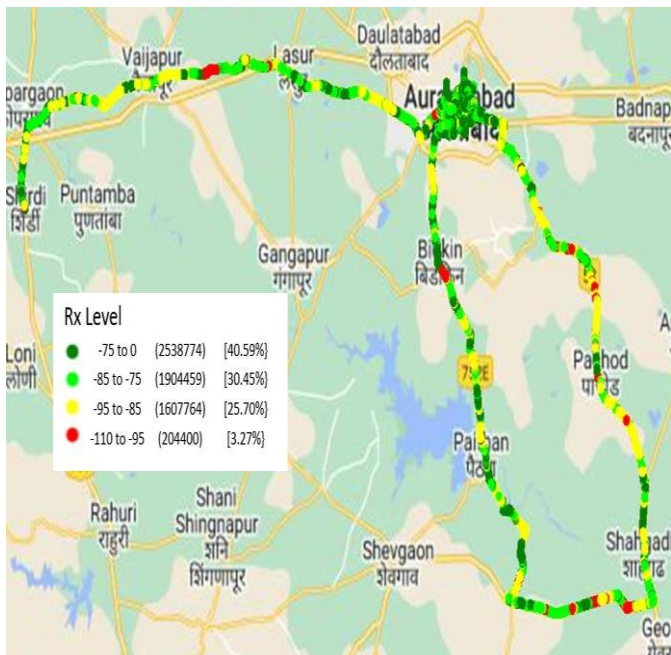


I. Coverage Details

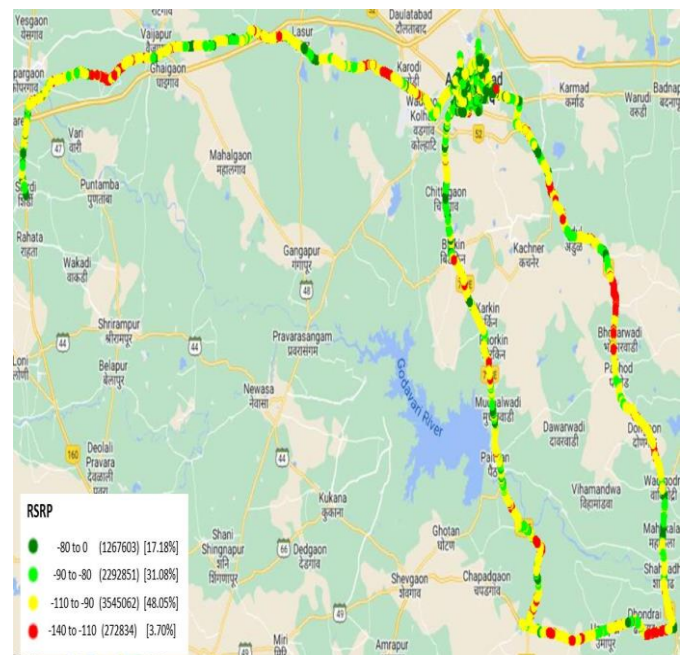
AIRTEL

Technology	Coverage Rate %
2G	71.03
4G	96.30

2G



4G



2G

Overall RxLevel	# Samples	% PDF
[Max, >=-75]	2538774	40.59
[-75, >=-85)	1904459	30.45
[-85, >=-95)	1607764	25.70
[-95, >=Min)	204400	3.27
Total	6255397	100

4G/VoLTE

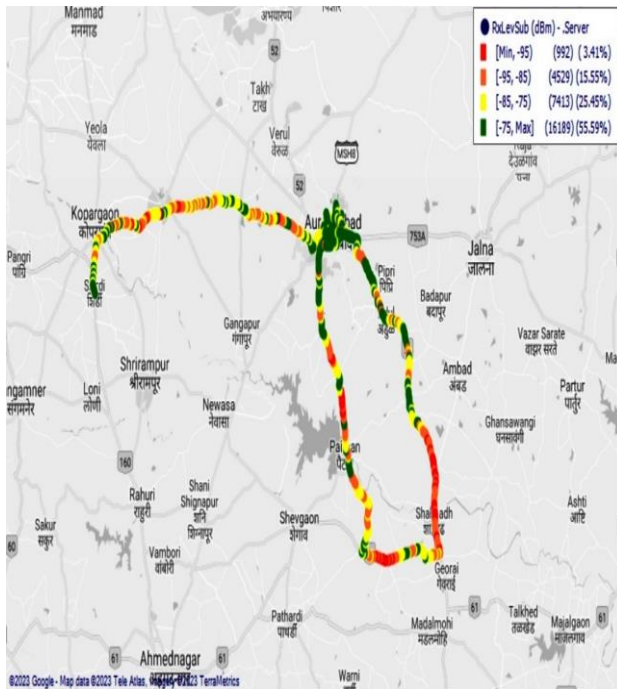
Overall RSRP	# Samples	% PDF
[Max, >=-80]	1267603	17.18
[-80, >=-90)	2292851	31.08
[-90, >=-110)	3545062	48.05
[-110, >=Min)	272834	3.70
Total	7378350	100

I. Coverage Details

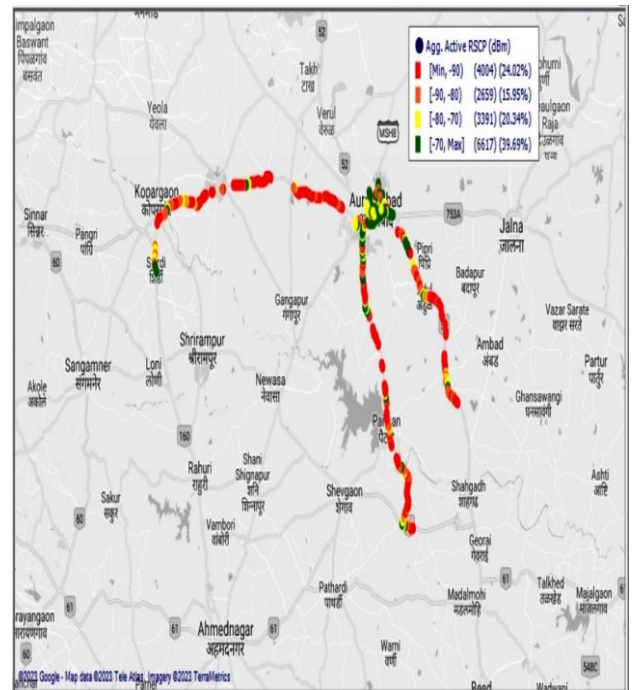
BSNL

Technology	Coverage Rate %
2G	81.04
3G	75.98

2G



3G



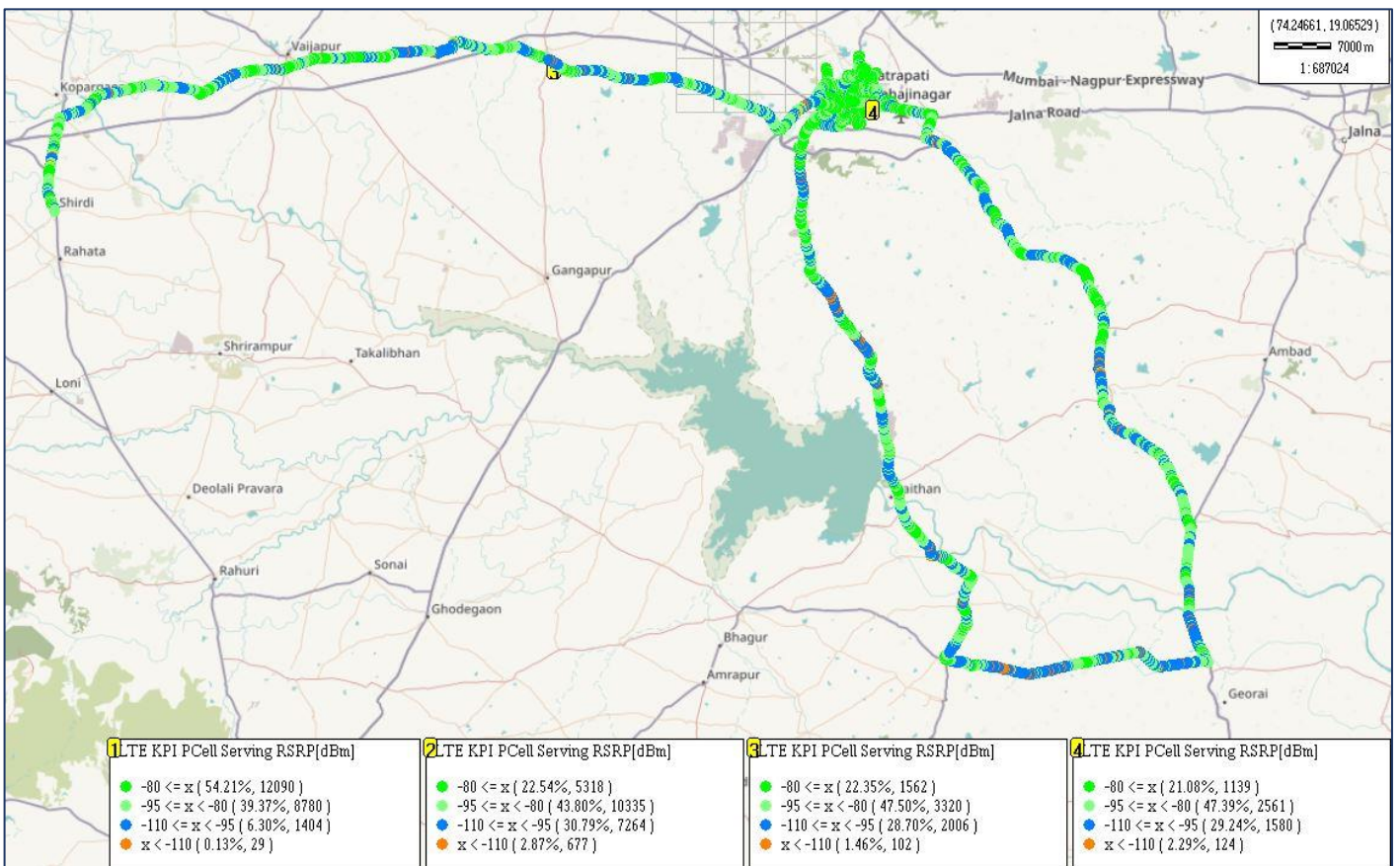
2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	16189	55.59%
[-75, >=-85)	7413	25.45%
[-85, >=-95)	4529	15.55%
[-95, >=Min)	992	3.41%
Total	29123	100%

3G		
Overall RSCP	# Samples	% PDF
[Max, >=-70]	6617	39.69%
[-70, >=-80)	3391	20.34%
[-80, >=-90)	2659	15.95%
[-90, >=Min)	4004	24.02%
Total	16671	100%

I. Coverage Details

JIO

Technology	Coverage Rate %
4G	98.40



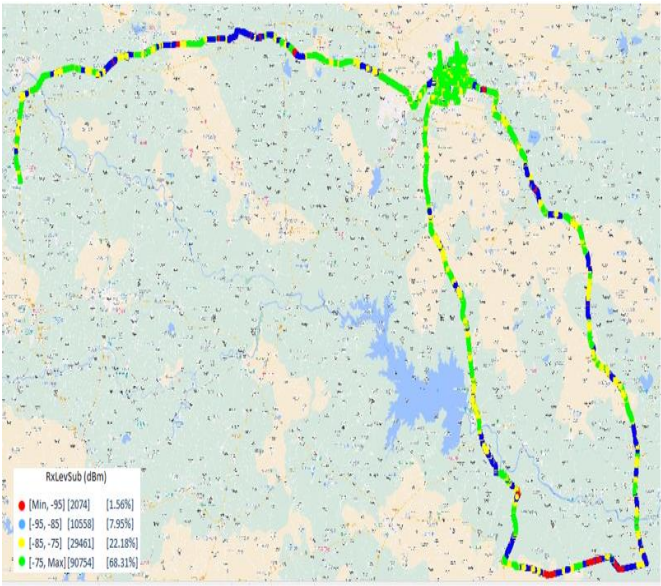
4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	12090	54.21
[-80, >=-90)	8780	39.37
[-90, >=-110)	1404	6.3
[-110, >=Min]	29	0.13
Total	58291	100

I. Coverage Details

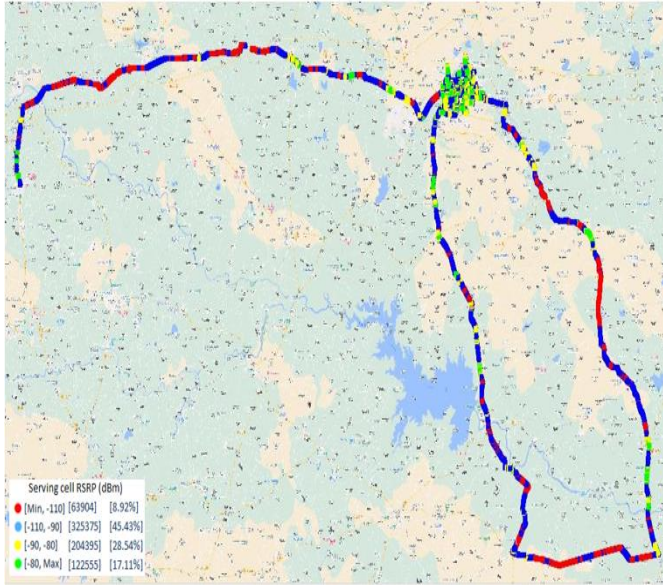
VIL

Technology	Coverage Rate %
2G	90.49
4G	91.08

2G



4G



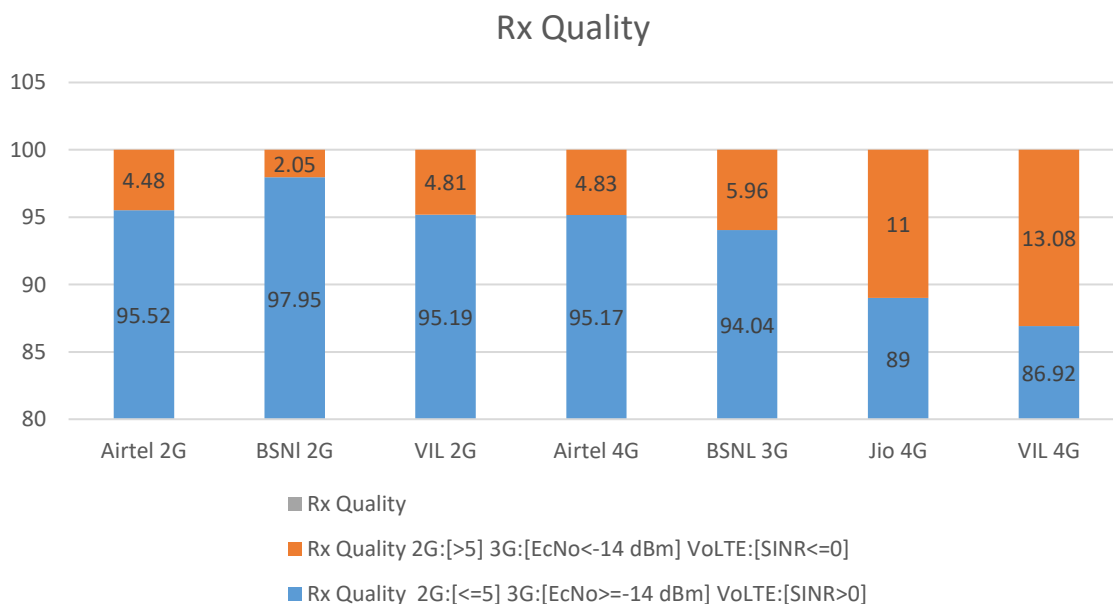
2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	90754	68.31
[-75, >=-85)	29461	22.18
[-85, >=-95)	10558	7.95
[-95, >=Min)	2074	1.56
Total	132847	100

4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	122555	17.11
[-80, >=-90)	204395	28.54
[-90, >=-110)	325375	45.43
[-110, >=Min)	63904	8.94
Total	716229	100

II. Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 4G is considered to be good, whereas quality beyond this benchmark is considered to be bad. The benchmark should usually be $\geq 95\%$.

TSP	Rx Quality %
Airtel 2G	95.52
BSNL 2G	97.95
VIL 2G	95.19
Airtel 4G	95.17
BSNL 3G	94.04
Jio 4G	89
VIL 4G	86.92

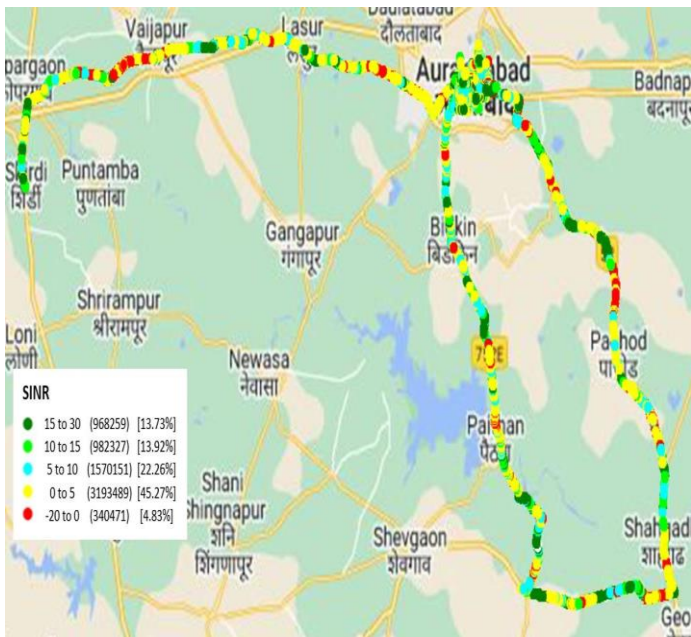


II. Quality Details

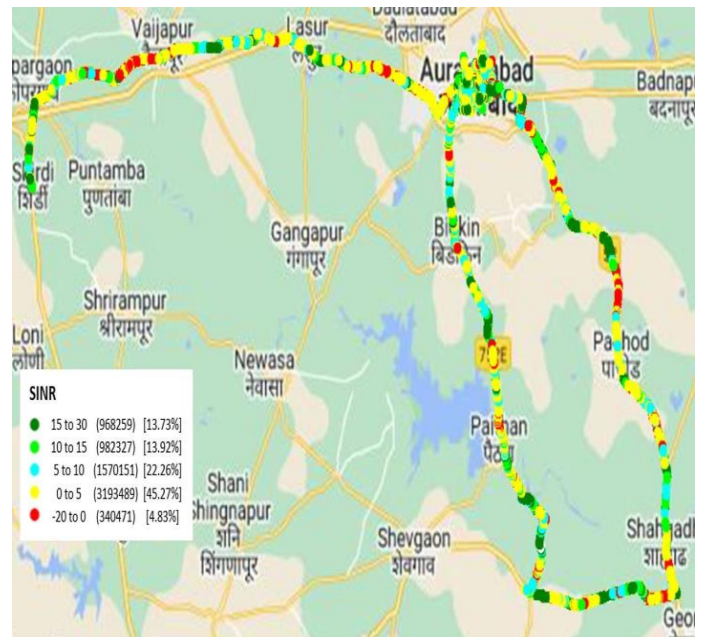
Airtel

Technology	Rx Quality %
2G	95.52
4G	95.17

2G



4G



Overall Rx Quality	# Samples	% PDF
(Min, <=2)	5037361	76.47
(2, <=3)	829952	12.60
(3, <=4)	239316	3.63
(4, <=5)	185477	2.82
(5, <=Max)	295246	4.48
Total	6587352	100

Overall SINR	# Samples	% PDF
(Min, <=0)	340471	4.83
(0, <=5)	3193489	45.27
(5, <=10)	1570151	22.26
(10, <=15)	982327	13.92
(15, <=Max)	968259	13.73
Total	7054697	100

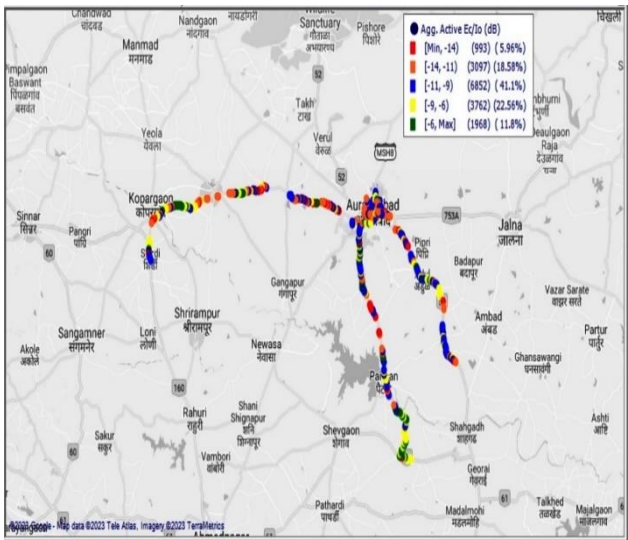
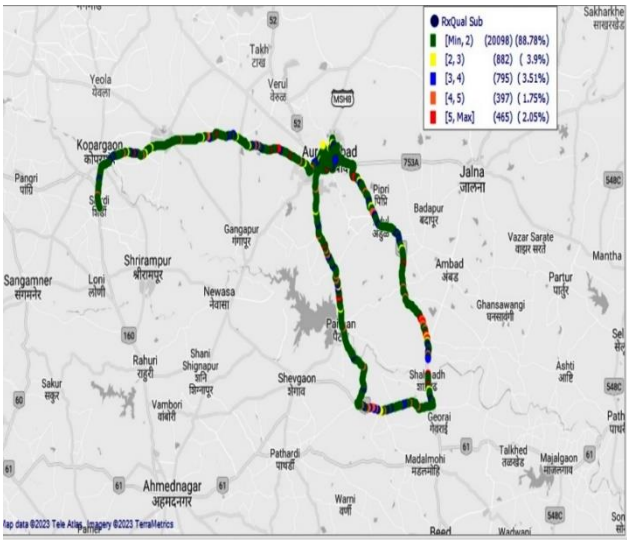
II. Quality Details

BSNL

Technology	Rx Quality %
2G	97.95
3G	94.04

2G

3G



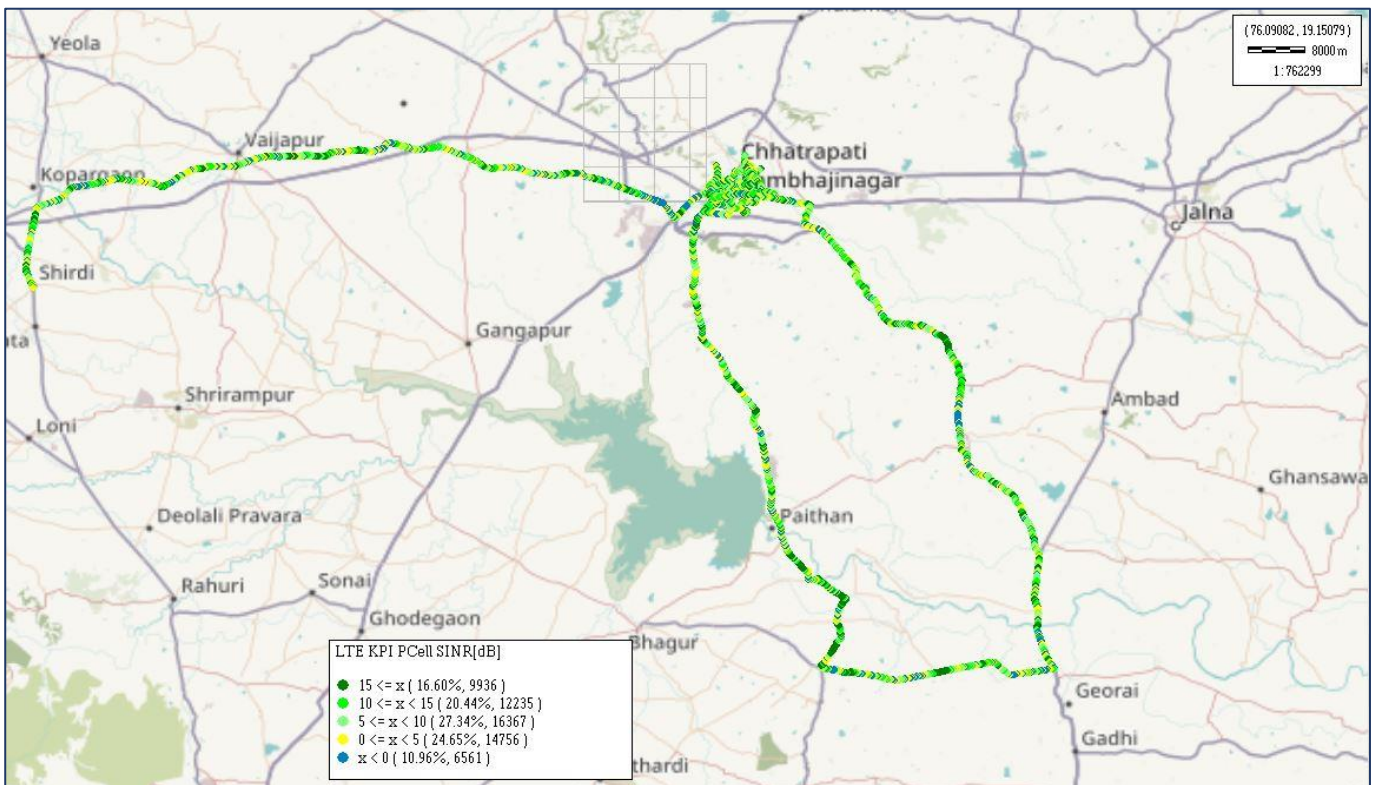
Overall Rx Quality	# Samples	% PDF
(Min, <=2)	20098	88.78%
(2, <=3)	882	3.9%
(3, <=4)	795	3.51%
(4, <=5)	397	1.75%
(5, <=Max)	465	2.05%
Total	22637	100%

Overall EcNo	# Samples	% PDF
(Max, <=-6)	1968	11.8%
(-6, <=-9)	3762	22.56%
(-9, <=-11)	6852	41.1%
(-11, <=-14)	3097	18.58%
(-14, <= Min)	993	5.96%
Total	16672	100%

II. Quality Details

JIO

Technology	Rx Quality (%)
4G/4G	89



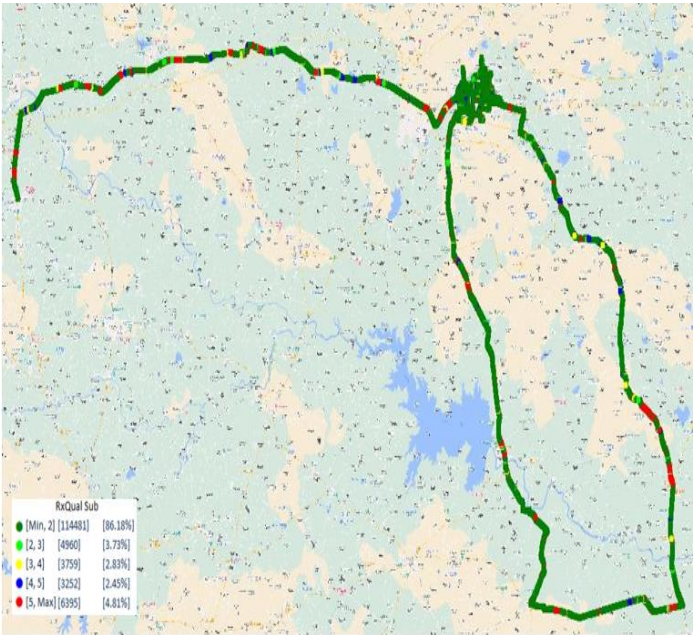
Overall SINR	# Samples	% PDF
(Min, ≤0)	9936	16.6
(0, ≤5)	12235	20.44
(5, ≤10)	16367	27.34
(10, ≤15)	14756	24.65
(15, ≤Max)	6561	10.96
Total	59855	100

II. Quality Details

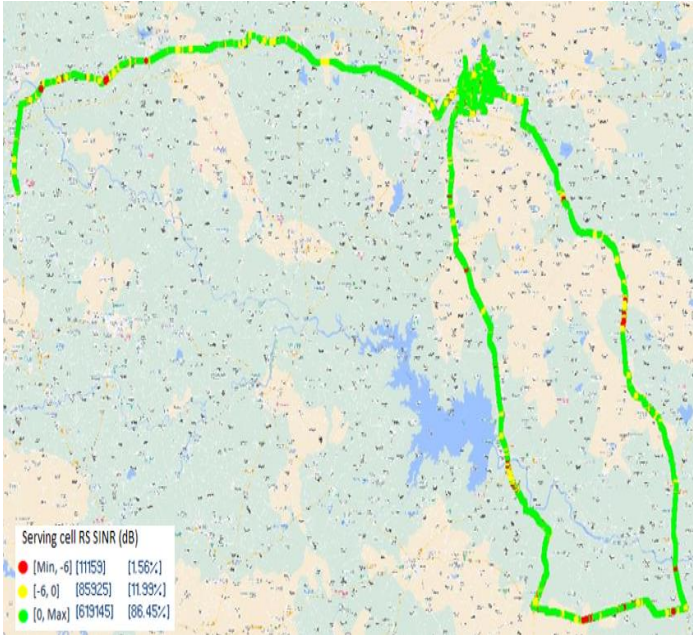
VIL

Technology	Rx Quality %
2G	95.19
4G	86.92

2G



4G

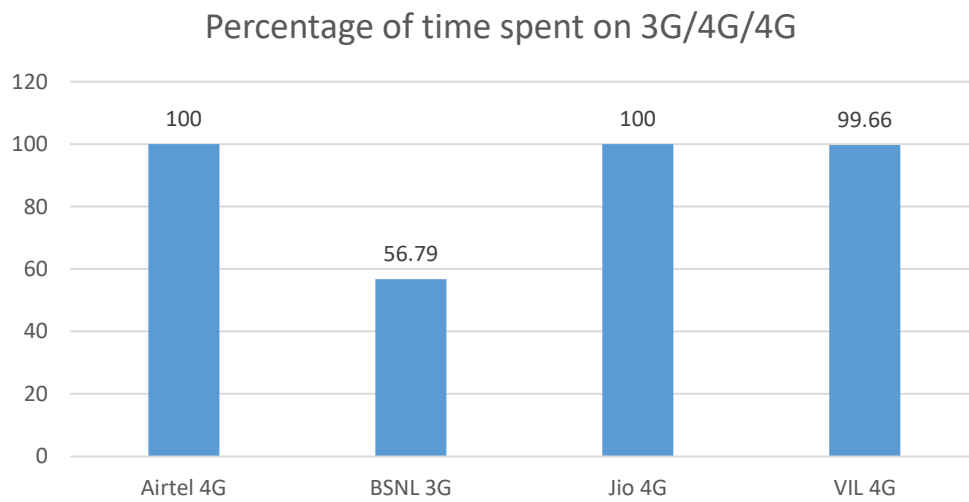


Overall Rx Quality	# Samples	% PDF
(Min, <=2)	114481	86.18
(2, <=3)	4960	3.73
(3 , <=4)	3759	2.83
(4 , <=5)	3252	2.45
(5 , <=Max)	6395	4.81
Total	132847	100

Overall SINR	# Samples	% PDF
(Min, <=0)	93673	13.08
(0, <=5)	157499	21.99
(5, <=10)	157895	22.05
(10, <=15)	130237	18.18
(15, <=Max)	176925	24.70
Total	716229	100

III. Technology Details

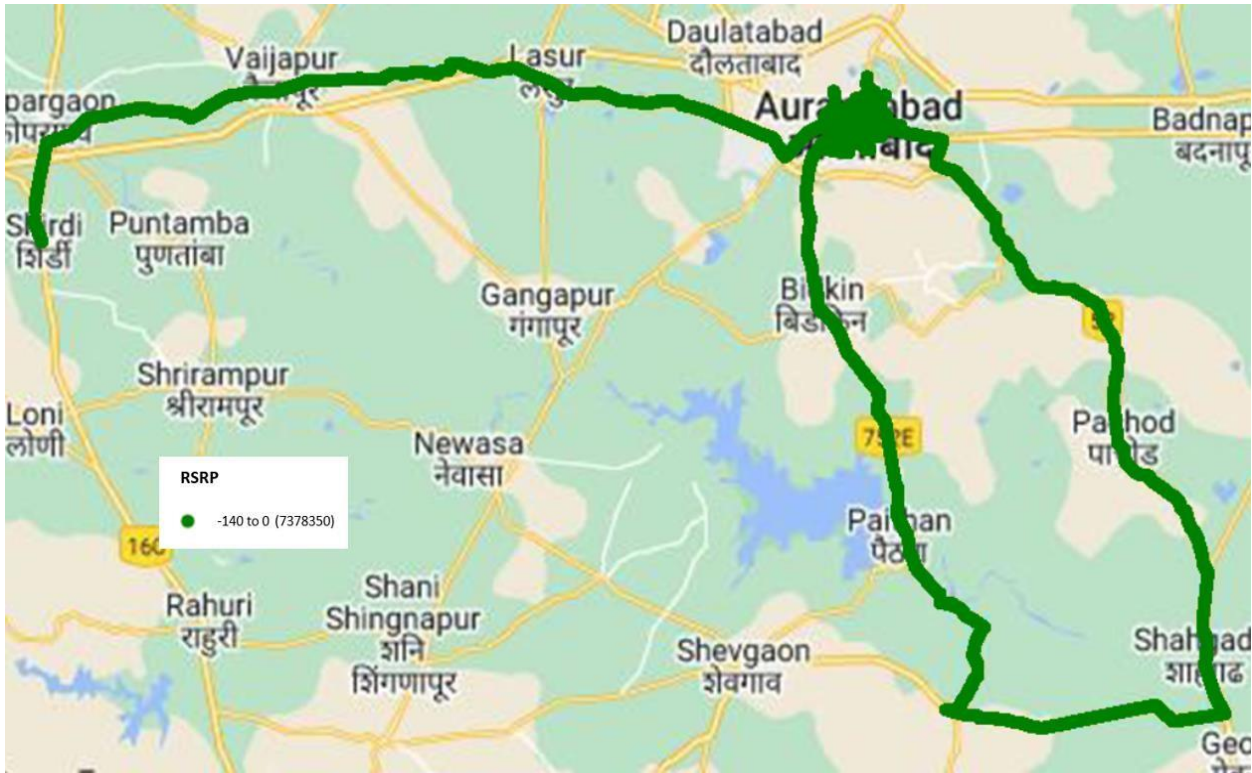
TSP	Time Spent on 3G/4G %
Airtel 4G	100
BSNL 3G	56.79
Jio 4G	100
VIL 4G	99.66



III. Technology Details

Airtel

Technology	Time Spent %
4G	100

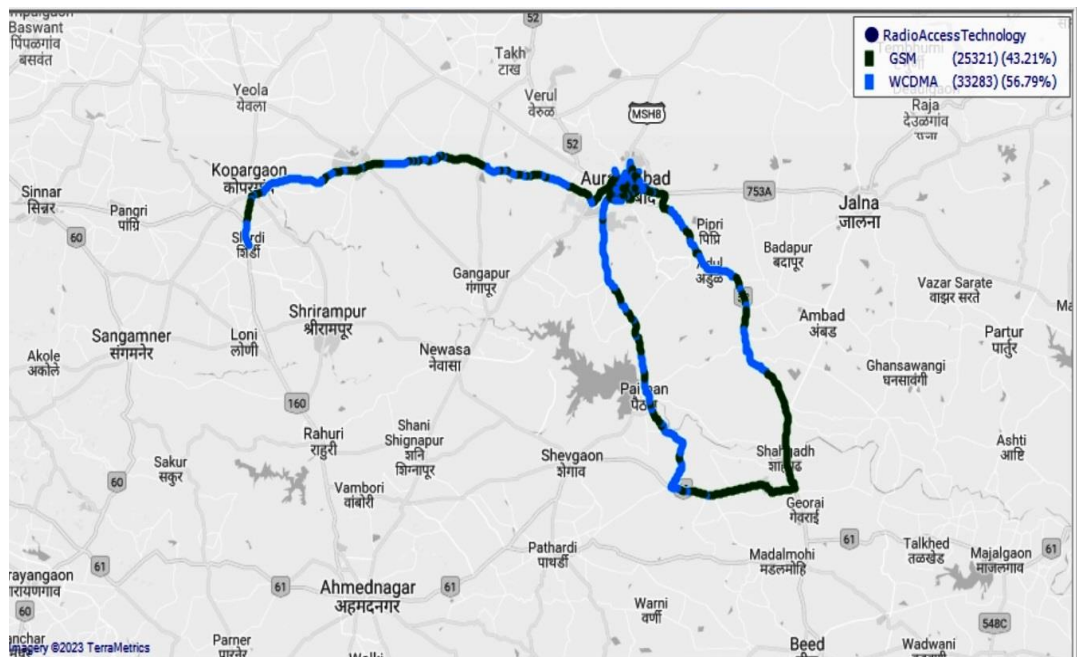


III. Technology Details

BSNL

Technology	Time Spent %
3G	56.79

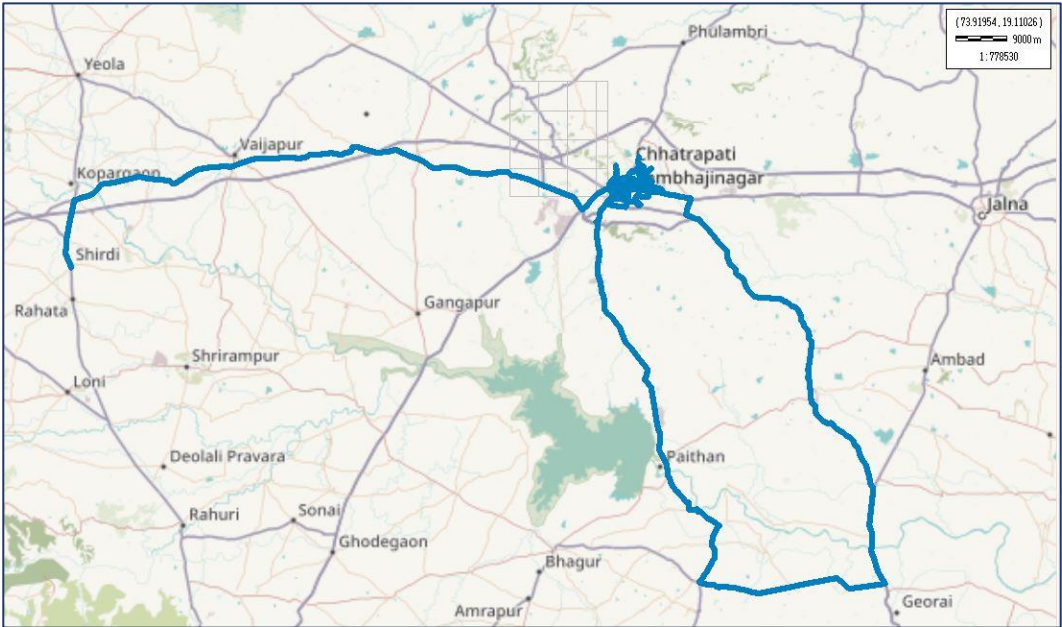
Technology Plot of complete SSA (3G)



III. Technology Details

JIO

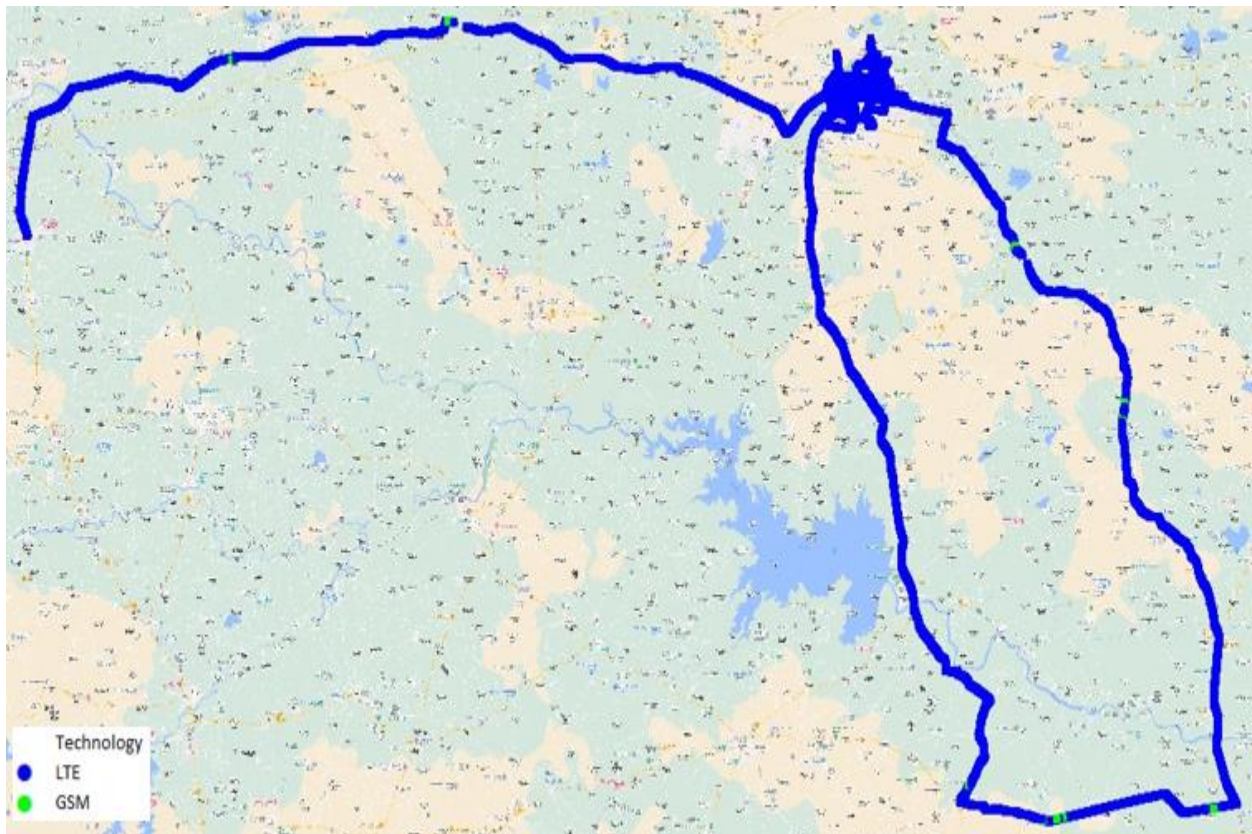
Technology	Time Spent %
4G	100



III. Technology Details

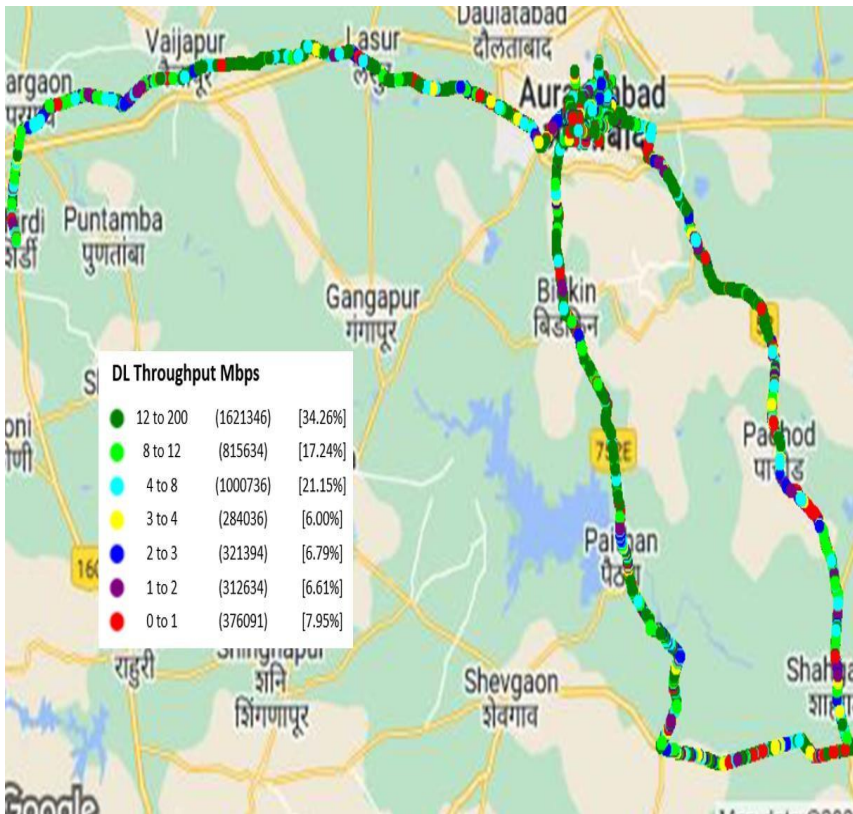
VIL

Technology	Time Spent
4G	99.66

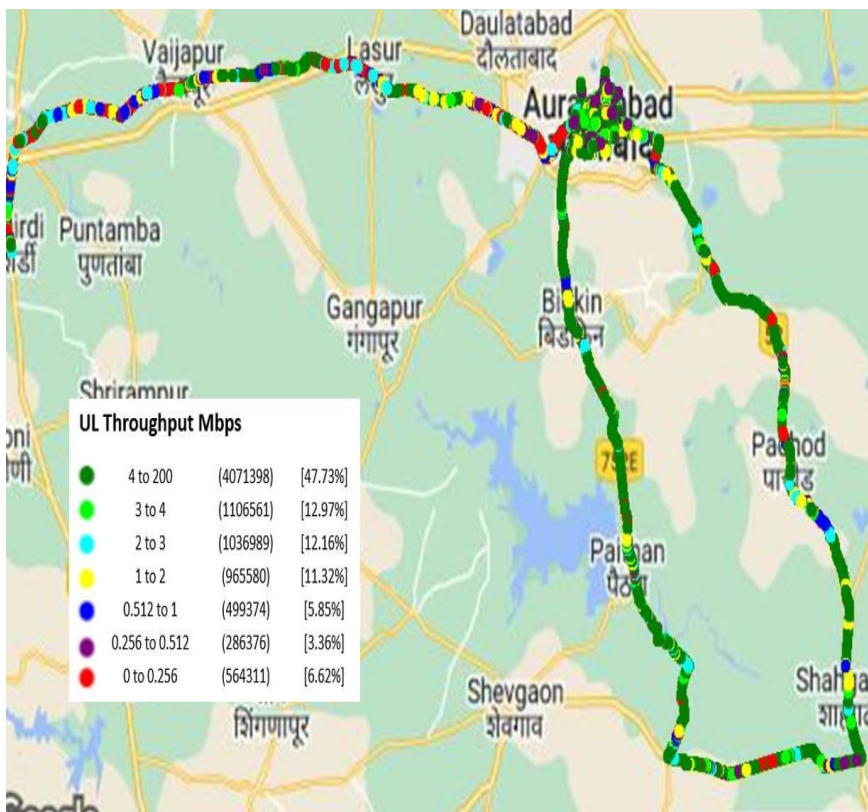


IV. Dynamic Data Test (Data Test on Move) - 4G DL/UL Details

Airtel



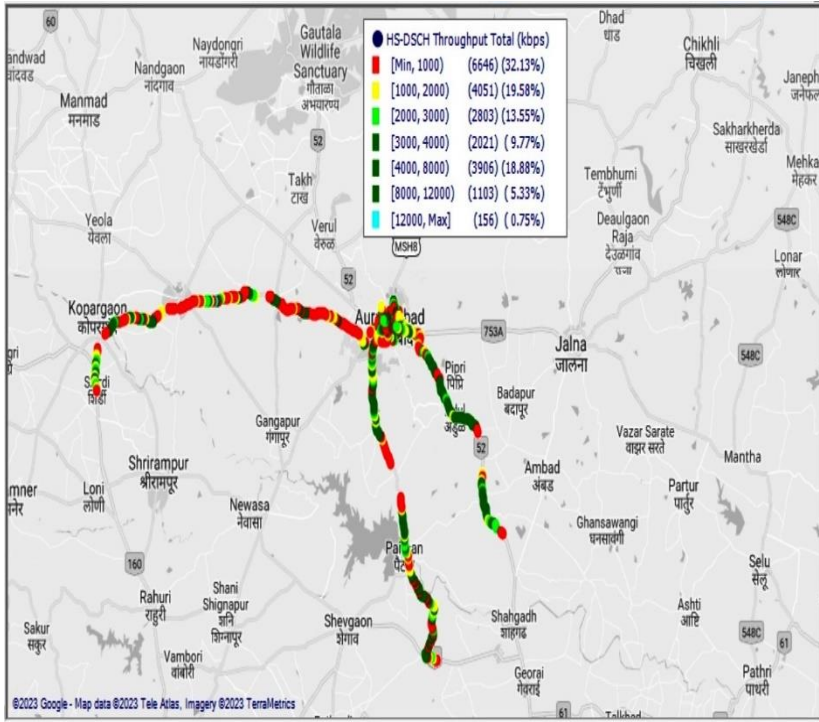
DL throughput	No. of Samples	%
0 to 1 Mbps	376091	7.95
1 to 2 Mbps	312634	6.61
2 to 3 Mbps	321394	6.79
3 to 4 Mbps	284036	6.00
4 to 8 Mbps	1000736	21.15
8 to 12 Mbps	815634	17.24
>12 Mbps	1621346	34.26
Total	4731871	100



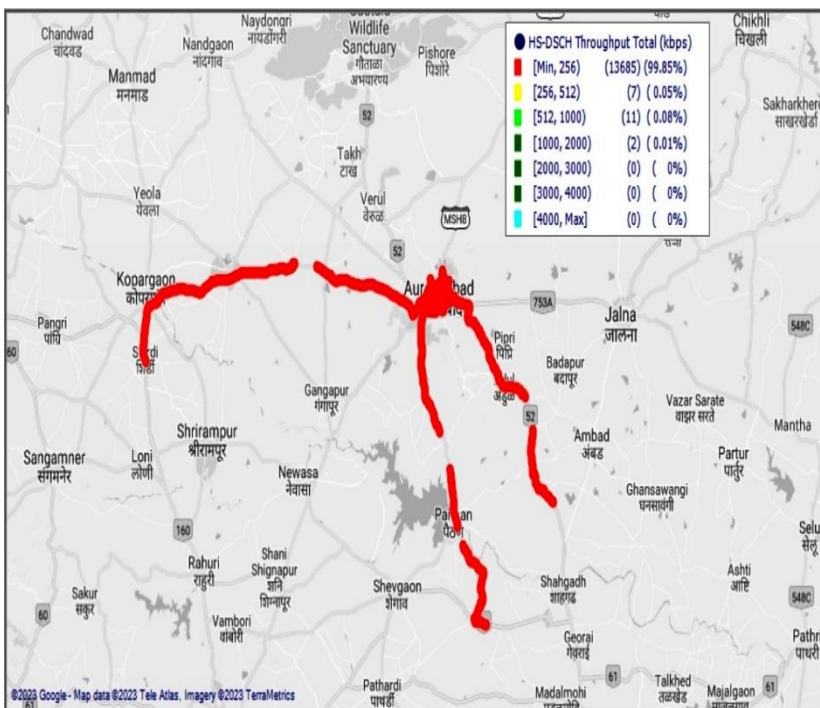
UL throughput	No. of samples	%
0 to 256 Kbps	564311	6.62
250 to 512 Kbps	286376	3.36
512 Kbps to 1 Mbps	499374	5.85
1 to 2 Mbps	965580	11.32
2 to 3 Mbps	1036989	12.16
3 to 4 Mbps	1106561	12.97
>4 Mbps	4071398	47.73
Total	8530589	100

IV. Dynamic Data Test(Data Test on Move)- 3G/4G DL/UL Details

BSNL



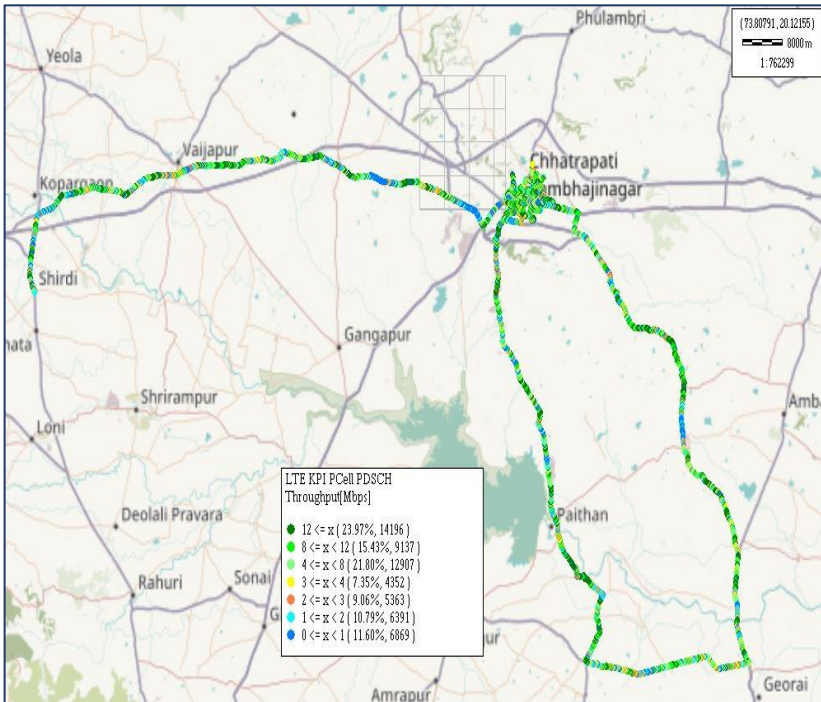
DL throughput	No. of Samples	%
0 to 1 Mbps	6646	32.13
1 to 2 Mbps	4051	19.58
2 to 3 Mbps	2803	13.55
3 to 4 Mbps	2021	9.77
4 to 8 Mbps	3906	18.88
8 to 12 Mbps	1103	5.33
>12 Mbps	156	0.75
Total	20686	100



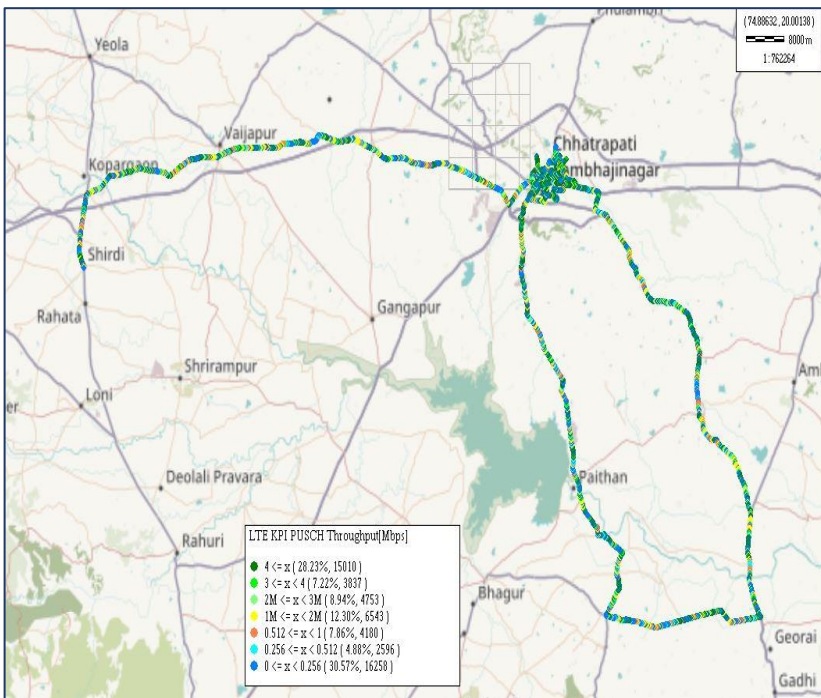
UL throughput	No. of Samples	%
0 to 1 Mbps	13685	99.85
1 to 2 Mbps	7	0.05
2 to 3 Mbps	11	0.08
3 to 4 Mbps	2	0.01
4 to 8 Mbps	0	0
8 to 12 Mbps	0	0
>12 Mbps	0	0
Total	13705	100

IV. Dynamic Data Test(Data Test on Move)- 4G DL/UL Details

JIO



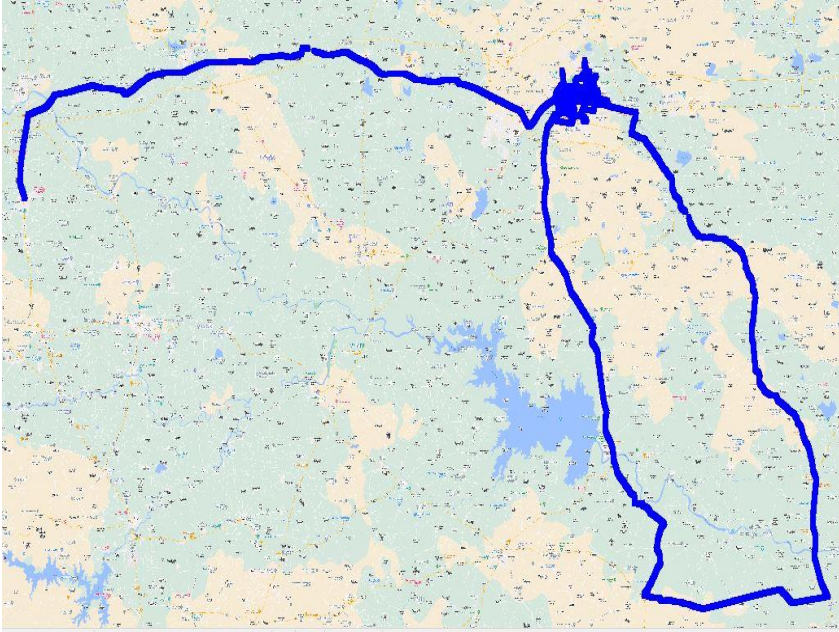
DL throughput	No. of Samples	%
0 to 1 Mbps	6,869	11.6
1 to 2 Mbps	6,391	10.8
2 to 3 Mbps	5,363	9.06
3 to 4 Mbps	4,352	7.35
4 to 8 Mbps	12,907	21.8
8 to 12 Mbps	9,137	15.43
>12 Mbps	14,196	23.97
Total	59,215	100.00



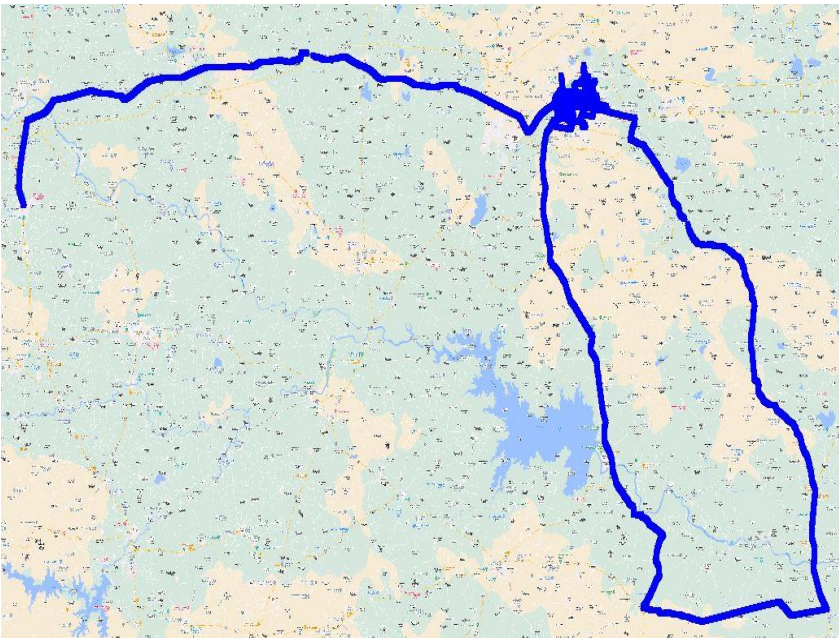
UL throughput	No. of samples	%
0 to 256 kbps	16,258	30.57
256 to 512 kbps	2,596	4.88
512 Kbps to 1 Mbps	4,180	7.86
1 to 2 Mbps	6,543	12.3
2 to 3 Mbps	4,753	8.94
3 to 4 Mbps	3,837	7.22
>4Mbps	15,010	28.23
Total	53,177	100

IV. Dynamic Data Test (Data Test on Move)- 4G DL/UL Details

VIL



DL throughput	No. of Samples	%
0 to 1 Mbps	7047273	18.95
1 to 2 Mbps	1988833	5.35
2 to 3 Mbps	1726026	4.64
3 to 4 Mbps	1791067	4.82
4 to 8 Mbps	4460005	11.99
8 to 12 Mbps	3737230	10.05
>12 Mbps	16435442	44.20
Total		100



UL throughput	No. of samples	%
0 to 256 Kbps	2786232	12.22
250 to 512 Kbps	770677	3.38
512 Kbps to 1 Mbps	1183528	5.19
1 to 2 Mbps	5061900	22.20
2 to 3 Mbps	3166862	13.89
3 to 4 Mbps	2320104	10.18
>4Mbps	7509336	32.94
Total		100

V. TRAI My Speed App Test Details-2G

Technology-2G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	0.12	0.13	0.15	0.15	0.14	0.21
Upload Speed (Mbps)	0.12	0.07	0.13	0.12	0.10	0.10
Latency	0	0	0	0	0	0

Sai Nagar Shirdi

Your Result

AIRTEL Date: 13/06/23
Time: 03:19 PM
Lat.: 19.76295
Long.: 74.47654

EDGE -55 dBm

Download Speed: **0.12** Mbps
Upload Speed: **0.12** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

Prozon Mall

Your Result

AIRTEL Date: 16/06/23
Time: 11:19 AM
Lat.: 19.87677
Long.: 75.37097

EDGE -57 dBm

Download Speed: **0.13** Mbps
Upload Speed: **0.07** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

Collector Office

Your Result

AIRTEL Date: 16/06/23
Time: 12:33 PM
Lat.: 19.89380
Long.: 75.33790

EDGE -59 dBm

Download Speed: **0.15** Mbps
Upload Speed: **0.13** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

Central Bus Stand

Your Result

AIRTEL Date: 16/06/23
Time: 01:48 PM
Lat.: 19.88041
Long.: 75.31679

UNKNOWN -51 dBm

Download Speed: **0.15** Mbps
Upload Speed: **0.12** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

Railway Station

Your Result

AIRTEL Date: 16/06/23
Time: 05:30 PM
Lat.: 19.86050
Long.: 75.31129

EDGE -51 dBm

Download Speed: **0.14** Mbps
Upload Speed: **0.10** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

Dr. Ambedkar Marathwada University

Your Result

AIRTEL Date: 16/06/23
Time: 06:42 PM
Lat.: 19.89431
Long.: 75.31238

EDGE -57 dBm

Download Speed: **0.21** Mbps
Upload Speed: **0.10** Mbps

Network Delay: **N.A.** Ms
Packet Loss: **N.A.** %

TEST AGAIN SEND TO TRAI

V. TRAI My Speed App Test Details-4G

Techology-4G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	16.02	32.48	44.74	70.90	22.26	32.55
Upload Speed (Mbps)	14.57	4.23	34.42	35.21	20.97	3.96
Latency	NA	NA	NA	NA	NA	NA

Sai Nagar Shirdi



Prozon Mall



Collector Office



Central Bus Stand



Railway Station



Dr. Ambedkar Marathwada University



V. TRAI MySpeed App Test Details-2G

Techology-2G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	0.14	0.23	0.21	0.23	0.11	0.16
Upload Speed (Mbps)	0.23	0.23	0.22	0.24	0.14	0.17
Latency(ms)	339.4	95.5	168.3	209	0	0

Sai Nagar Shirdi



Prozon Mall



Collector Office



Central Bus Stand



Railway Station



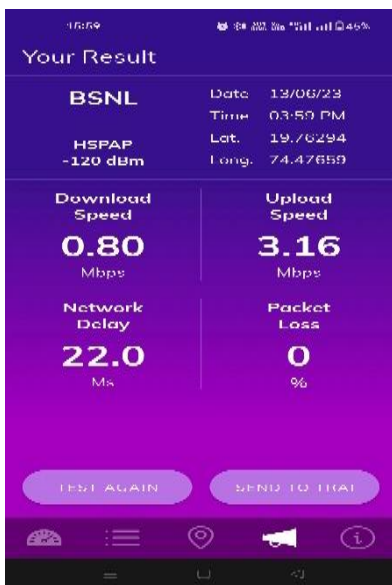
Dr. Ambedkar Marathwada University



V. TRAI MySpeed App Test Details-3G/4G

Techology-3G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	0.80	9.39	7.42	4.94	3.18	5.24
Upload Speed (Mbps)	3.16	2.31	1.12	3.82	2.38	3.76
Latency(ms)	22	25.3	58.9	27.6	0	25.4

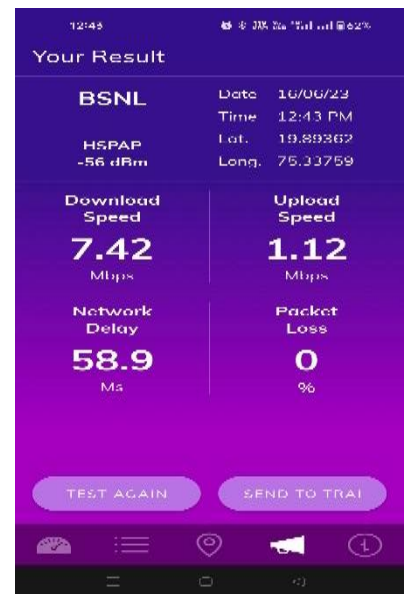
Sai Nagar Shirdi



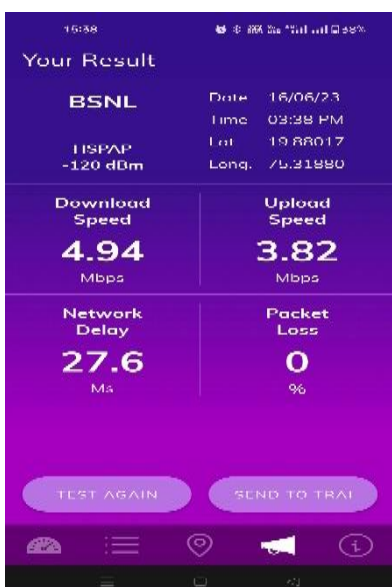
Prozon Mall



Collector Office



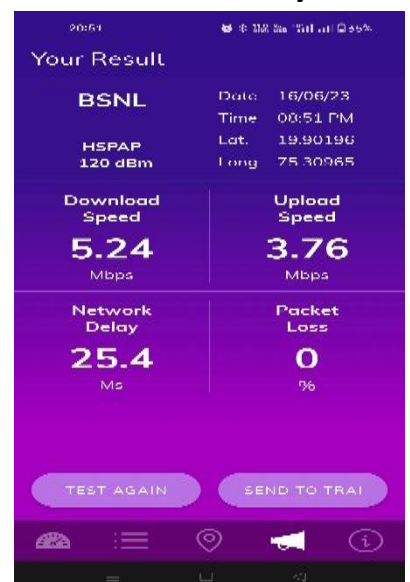
Central Bus Stand



Railway Station



Dr. Ambedkar Marathwada University



V. TRAI MySpeed App Test Details-4G

Technology-4G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	12.98	18.08	22.54	20.34	21.07	32.36
Upload Speed (Mbps)	5.1	4.07	8.15	8.5	8.7	17.77
Latency	46.0	40.9	49.7	40.9	39.7	66.9

Sai Nagar Shirdi



Prozon Mall



Collector Office



Central Bus Stand



Railway Station

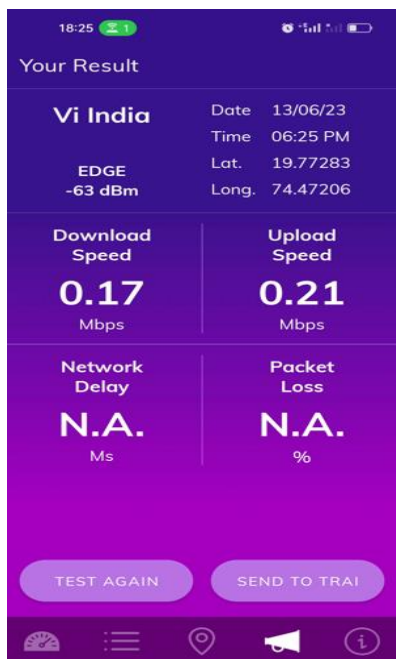


Dr. Ambedkar Marathwada University

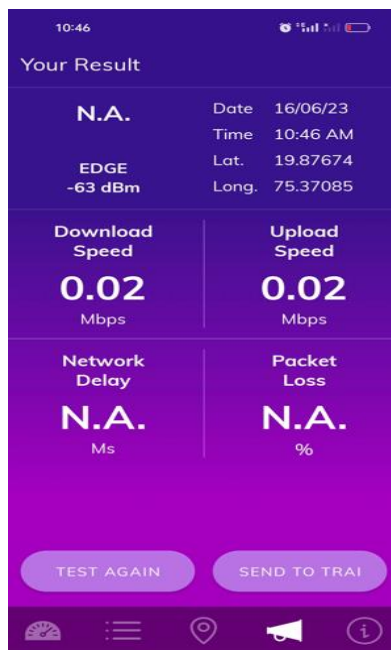


Techology-2G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	0.17	0.02	0.03	0.06	0.03	0.02
Upload Speed (Mbps)	0.21	0.02	0.01	0.04	0.01	0.20
Latency	NA	NA	NA	NA	NA	NA

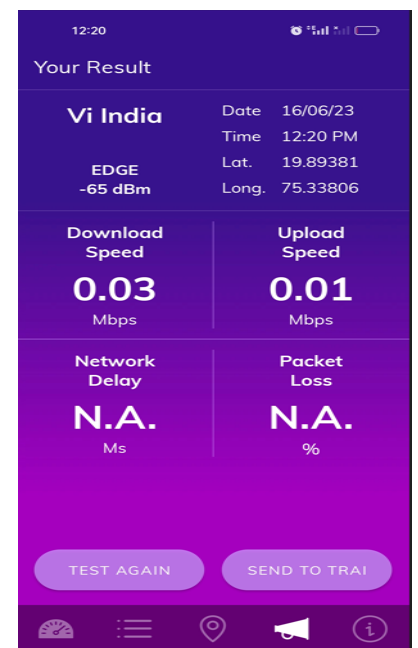
Sai Nagar Shirdi



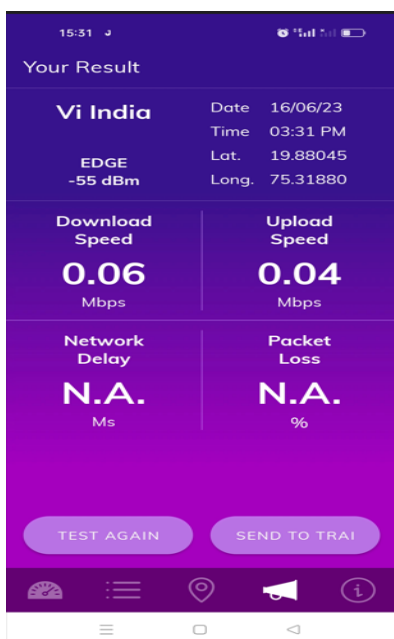
Prozon Mall



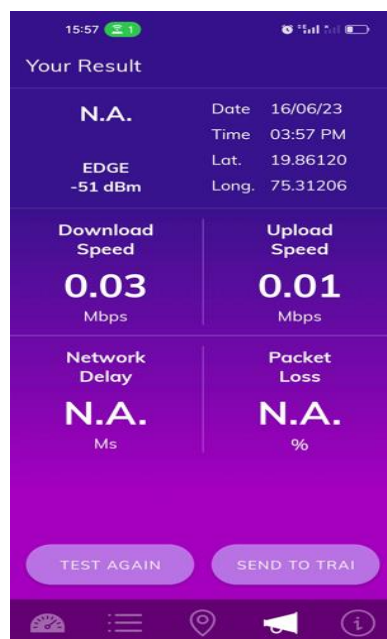
Collector Office



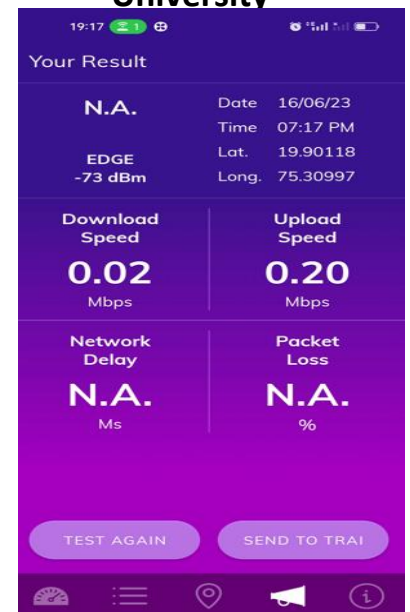
Central Bus Stand



Railway Station

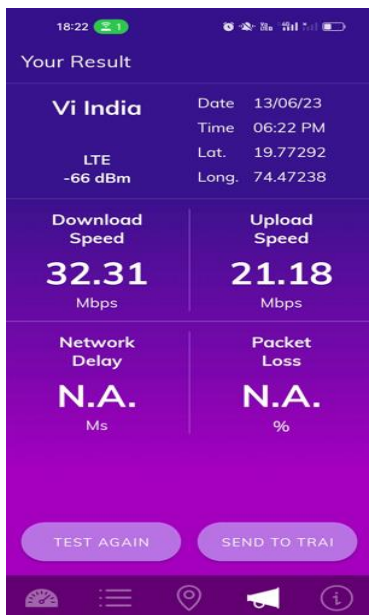


Dr. Ambedkar Marathwada University

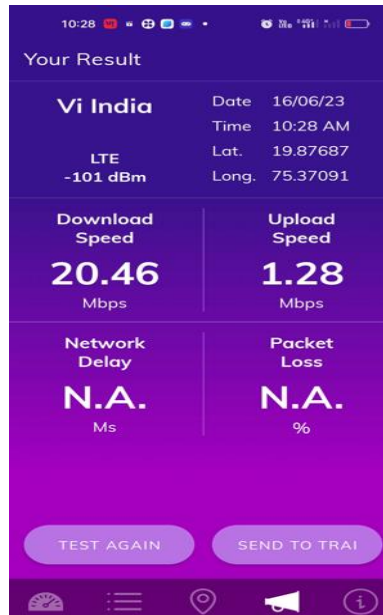


Technology-4G	Shirdi Sai Nagar	Prozone Mall	Collector Office	Central Bus Stand	Railway Station	Dr.B.A.M. University
Download Speed (Mbps)	32.31	20.46	67.38	53.98	54.36	5.43
Upload Speed (Mbps)	21.18	1.28	26.14	17.90	23.21	2.02
Latency	NA	NA	NA	NA	NA	NA

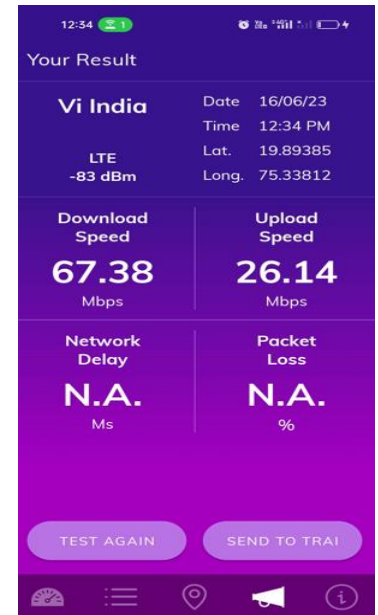
Sai Nagar Shirdi



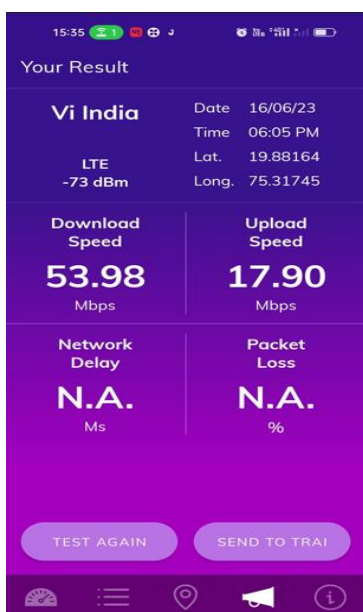
Prozon Mall



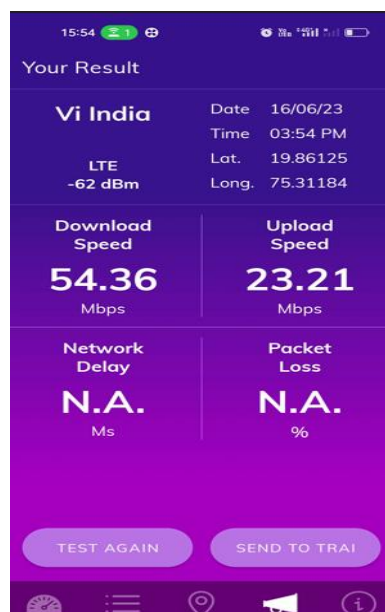
Collector Office



Central Bus Stand



Railway Station



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