Operator Assisted Drive Test Report

For

Raigad

29th Aug to 01st Sep 2023
Alibag – Kolad NH & SH - 150 Kms (29th Aug 23)
Raigad District - 224 Kms (30th Aug – 01st Sep 23)

TRAI RO, Bengaluru

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 except BSNL 3G.
- All 2G/3G/4G TSPs have met the Rx Quality except BSNL 3G, JIO 4G & VIL 4G.
- All 2G/3G/4G TSPs have met the CSSR except BSNL 3G.

The Operator Assisted Drive Test has been carried out by Regional Office, Bangalore with the help of Service Providers from 29th Aug to 01st Sep 2023 The drive test covered the route of 424 KMs including NH & SH of 150 Kms & 6 hotspots. Approximately 350 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 29th Aug to 01st Sep 2023 covering various locations in **Raigad District**. 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 **424 KMs including NH & SH of 150 Kms** over a period of 4 days from 29th Aug to 01st Sep 2023. Approximately 350 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 424 KMs including NH & SH of 150 Kms over a period of 4 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

Overview

Voice & Dynamic Data Test (Data Test on Move) Drive Route
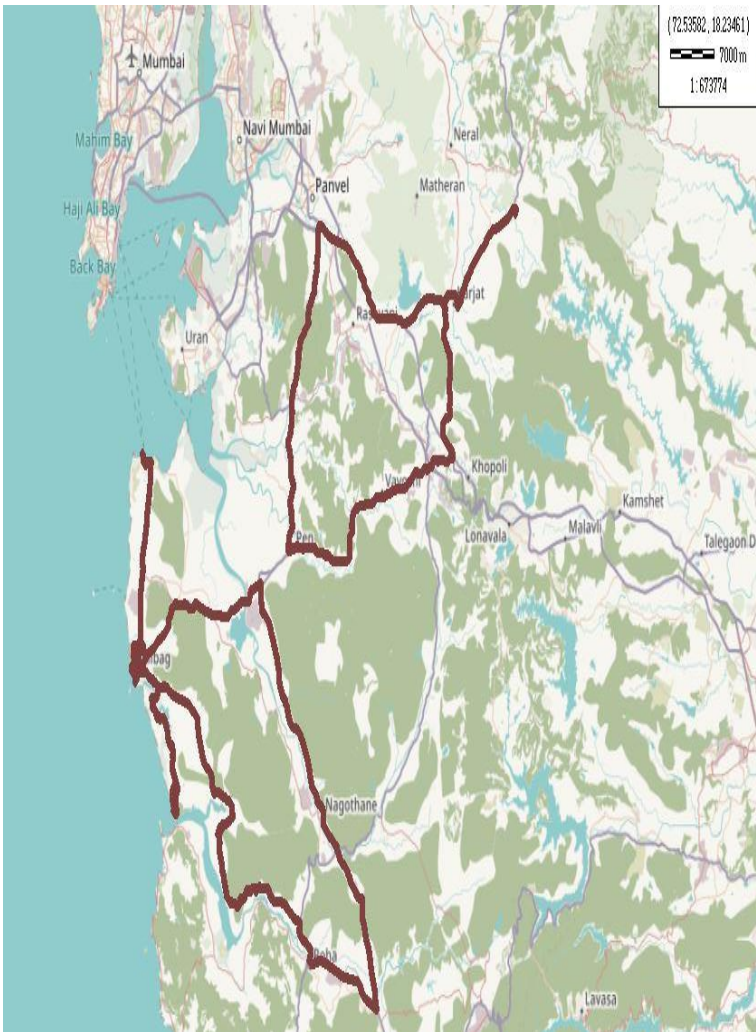
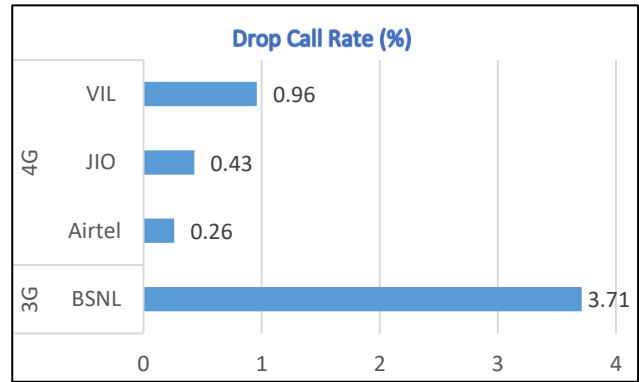| Areas covered	
Day-1	Alibag – Vadkhal – Khopoli – Karjat – Savele – Konkan Krishi Office – Shedung – Pen
Day-2	Alibag – Dolvi – Kolad – Mangaon - Mhasala – Roha – Alibag
Day -3	Alibag City and Surrounding Area (Mandva to Ravdana 40 KMs)
Day -4	Static Locations

Data Service Test- Static Locations
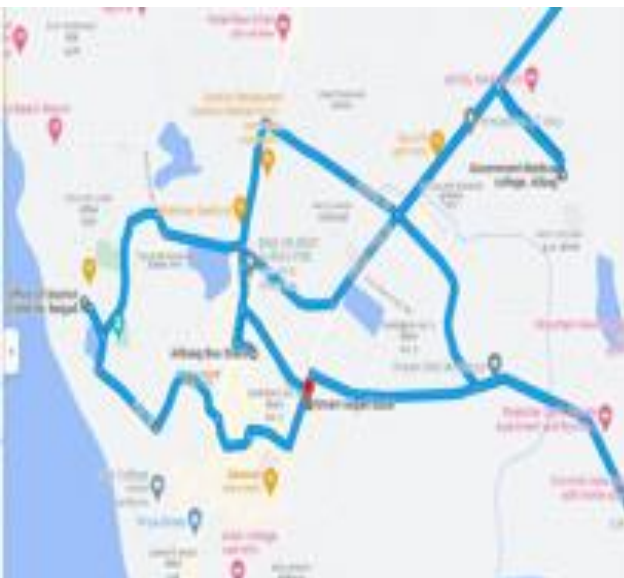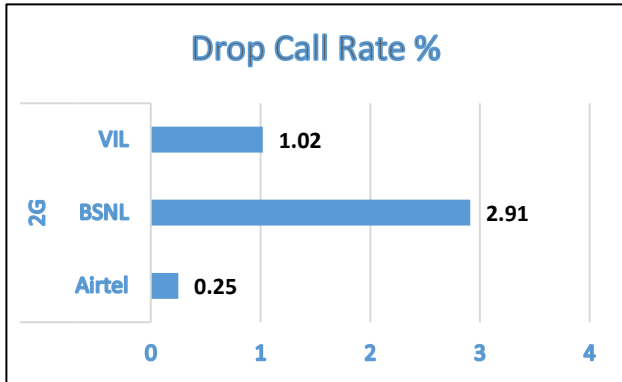

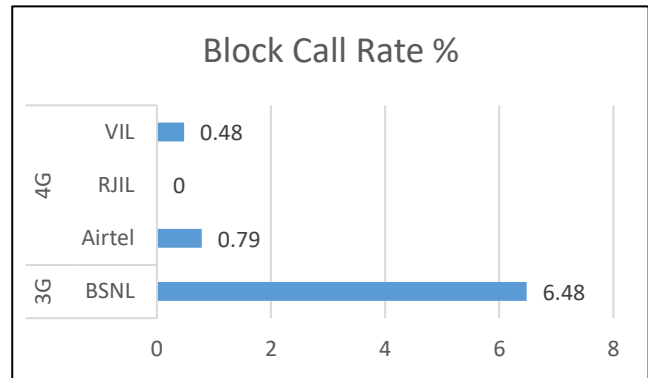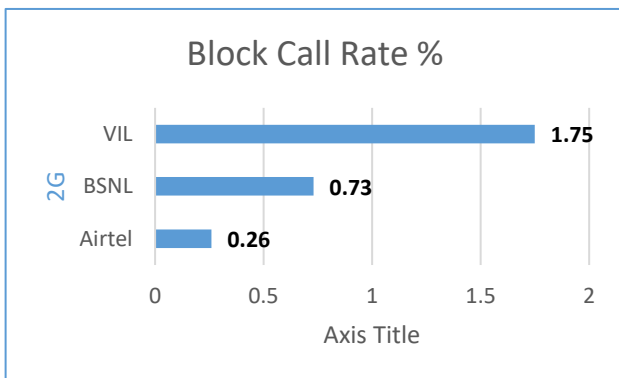| |
|---|
| 1. Sawla Village |
| 2. Revdana Beach |
| 3. Alibag Bus Station |
| 4. District Collector Office Alibag |
| 5. Government Medical College Alibag |
| 6. Smart Raigad Bazar |

Voice Calls

Key Observations

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

Drop Call Rate (%)

Drop Call Rate %

2G
- VIL — 1.02
- BSNL — 2.91
- Airtel — 0.25

Drop Call Rate (%)

4G
- VIL — 0.96
- JIO — 0.43
- Airtel — 0.26

3G
- BSNL — 3.71

Block Call Rate (%)

Block Call Rate %

2G
- VIL — 1.75
- BSNL — 0.73
- Airtel — 0.26

Axis Title

Block Call Rate %

4G
- VIL — 0.48
- RJIL — 0
- Airtel — 0.79

3G
- BSNL — 6.48

KPIs	2G			3G	4G		
	Airtel	BSNL	VIL	BSNL	Airtel	RJIL	VIL
Drop Call Rate %	0.25	**2.91**	1.02	**3.71**	0.26	0.43	0.96
Block Call Rate %	0.26	0.73	1.75	**6.48**	0.79	0	0.48

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 except BSNL 3G.

Voice Calls

Coverage

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

TSPs	2G		
	Airtel	**BSNL**	**VIL**
Coverage%	59.35	43.42	70.71

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

TSPs	3G	4G		
	BSNL	**Airtel**	**JIO**	**VIL**
Coverage %	31.04	93.85	93.1	85.07

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

TSPs	3G	4G		
	BSNL	**Airtel**	**JIO**	**VIL**
Time Spent on 3G/4G%	100	100	100	98.98

Summary

Voice Call	2G		
	Airtel	**BSNL**	**VIL**
Call Attempt	386	275	399
Blocked Call Rate (%)	0.26	0.73	1.75
CSSR% (Accessibility)	99.74	99.27	98.25
Drop Call Rate (%)	0.25	2.91	1.02
Rx Quality (%)	95.31	97.43	95.03
Mobility HOSR (%)	99.68	100	97.77

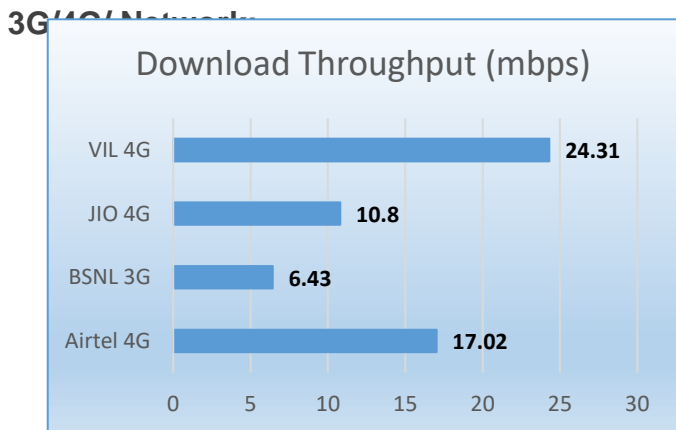| Voice Call	3G/4G			
	BSNL 3G	**Airtel 4G**	**JIO 4G**	**VIL 4G**
Call Attempt	108	379	460	417
Blocked Call Rate (%)	6.48	0.79	0	0.48
CSSR% (Accessibility)	90.38	99.21	100	99.52
Drop Call Rate (%)	3.71	0.26	0.43	0.96
Rx Quality (%)	92.19	95.81	92.5	89.46
Mobility HOSR (%)	100	100	98.7	99.01

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:

Download Throughput (mbps)

Network	Value
VIL 4G	24.31
JIO 4G	10.8
BSNL 3G	6.43
Airtel 4G	17.02

Upload Throughput (mbps)

Network	Value
VIL 4G	6.03
JIO 4G	4.9
BSNL 3G	2.25
Airtel 4G	11.39

Web Browsing Delay (sec)

Network	Value
VIL 4G	5.05
JIO 4G	3.6
BSNL 3G	0.58
Airtel 4G	5.66

Video Streaming Delay (sec)

Network	Value
VIL 4G	1.3
JIO 4G	0.5
BSNL 3G	17.26
Airtel 4G	0.39

Latency (msec)

Network	Value
VIL 4G	44.9
JIO 4G	59
BSNL 3G	363
Airtel 4G	37.63
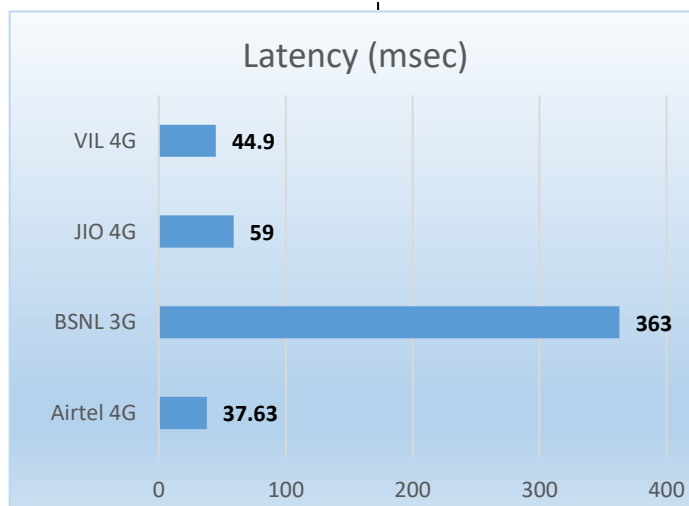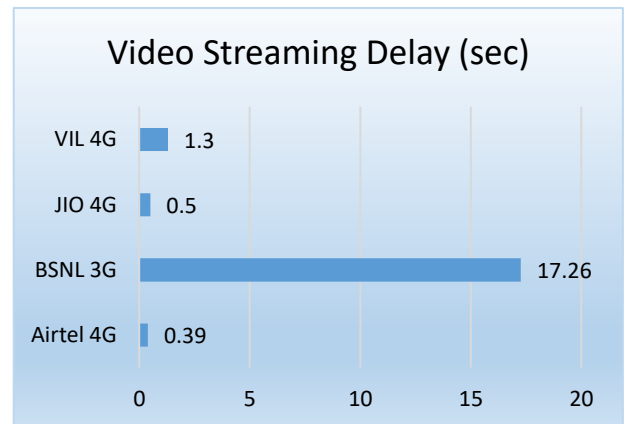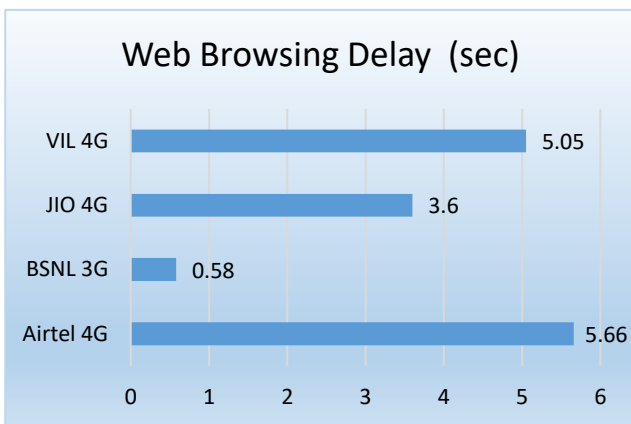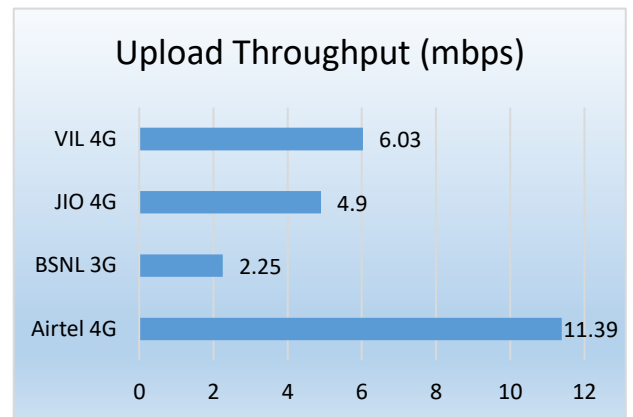
Summary

Data Services Static	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	12.19	58.37	118.05
Upload Throughput (kbps)	11.53	44.45	65.89
Web Browsing Delay (sec)	35.33	NA	36.17
Latency (msec)	258.53	1324	192.37

Data Services Static	3G/4G			
	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	6.43	17.02	10.8	24.31
Upload Throughput (mbps)	2.25	11.39	4.9	6.03
Web Browsing Delay (sec)	0.58	5.66	3.6	5.05
Video Streaming Delay (sec)	17.26	0.39	0.5	1.3
Latency (msec)	363	37.63	59	44.9

Data Services Dynamic (Data Test on Move)	3G/4G			
	BSNL 3G	Airtel 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	6.89	7.2	14.5	11.21
Upload Throughput (mbps)	2.24	2.51	2.9	3.62

Summary

Data Services Static – Sawla Village	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	12.11	16.38	114.78
Upload Throughput (kbps)	12.47	10.24	94.48
Web Browsing Delay (sec)	30.27	0	39.48
Latency (ms)	246.2	1680	237

Data Services Static –Sawla Village	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	3.48	12	2.54	4.35
Upload Throughput (Mbps)	1	5.86	0.78	3.31
Web Browsing Delay (sec)	0.36	5.64	4.16	5.33
Video Streaming Delay (sec)	30.35	0.34	0.9	1.4
Latency (ms)	115	34.6	66.8	58

Data Services Static – Revadana Fort	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	12.19	10.24	65.08
Upload Throughput (kbps)	10.72	8.19	40.28
Web Browsing Delay (sec)	36.68	0	31.40
Latency (msec)	263.4	2484	214

Data Services Static - Revadana Fort	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	2.77	15.6	9.12	20.15
Upload Throughput (Mbps)	1.17	7.49	4.4	2.62
Web Browsing Delay (sec)	0.64	5.72	4.48	5.69
Video Streaming Delay (sec)	24.03	0.47	0.64	1.35
Latency (ms)	397	36.6	50	46.6

Summary

Data Services Static – Collector Officer Alibag	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	10.36	32.77	116.64
Upload Throughput (kbps)	10.75	10.74	77.12
Web Browsing Delay (sec)	29.87	0.00	34.202
Latency (ms)	256.2	1156.80	162

Data Services Static Collector Officer Alibag	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	10.98	12.04	15.88	47.06
Upload Throughput (Mbps)	4.18	11.93	6.56	13.96
Web Browsing Delay (sec)	0.19	5.67	3.14	4.22
Video Streaming Delay (sec)	7.86	0.38	0.46	0.96
Latency (ms)	444.80	40	57	37

Data Services Static - Alibag Civil Hospital	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	13.16	20.48	121.72
Upload Throughput (kbps)	13.51	14.34	73.08
Web Browsing Delay (sec)	39.83	0	41.08
Latency (msec)	258.2	969	205

Data Services Static – Alibag Civil Hospital	4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	2.97	22.1	18.38	23.15
Upload Throughput (Mbps)	1.11	8.98	8.68	1.58
Web Browsing Delay (sec)	0.27	5.61	3.16	4.09
Video Streaming Delay (sec)	13.25	0.38	0.48	1.14
Latency (ms)	369	39	58	42

Summary

Data Services Static – Smart Raigad Bazar	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	13.21	98.30	105.48
Upload Throughput (kbps)	12.4	108.54	68.02
Web Browsing Delay (sec)	36.92	0.00	35.83
Latency (ms)	259.6	1161.60	181

Data Services Static – Smart Raigad Bazar	3G/4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	8.16	19.28	10.38	42.85
Upload Throughput (Mbps)	3.22	15.36	4.58	11.22
Web Browsing Delay (sec)	0.21	5.78	3.44	4.98
Video Streaming Delay (sec)	9.43	0.37	0.38	1
Latency (ms)	454	38.8	61	44

Data Services Static – Alibag Bus Stand	2G		
	Airtel	BSNL	VIL
Download Throughput (kbps)	12.13	172.03	184.6
Upload Throughput (kbps)	9.34	114.69	42.38
Web Browsing Delay (sec)	38.44	0.00	35.05
Latency (msec)	267.6	489.20	155

Data Services Static – Alibag Bus Stand	3G/4G			
	BSNL 3G	Airtel	JIO	VIL
Download Throughput (Mbps)	10.23	21.11	8.64	8.3
Upload Throughput (Mbps)	2.81	18.76	4.44	3.52
Web Browsing Delay (sec)	1.83	5.58	3.46	5.72
Video Streaming Delay (sec)	18.65	0.42	0.42	2.01
Latency (ms)	397	36.8	61	42

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 ≥ -110dBm. The details are as follows.

TSP	Coverage Rate %
Airtel 2G	59.35
BSNL 2G	43.42
VIL 2G	70.71
Airtel 4G	93.85
BSNL 3 G	31.04
Jio 4G	93.1
VIL 4G	85.07

Coverage Distribution %
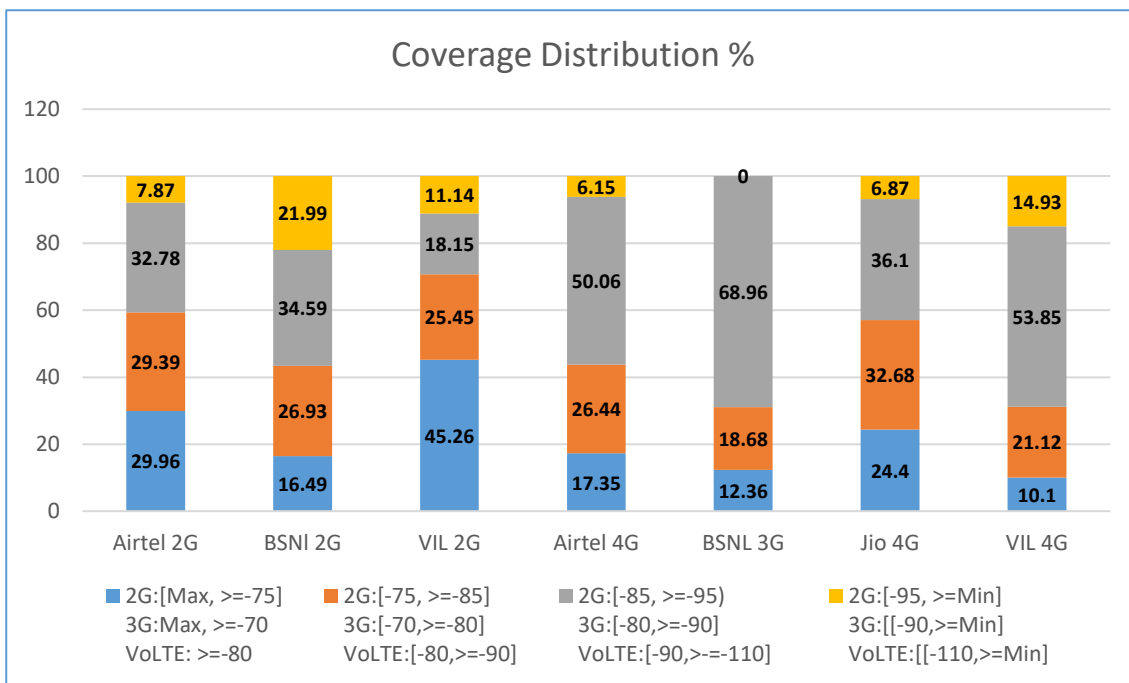
AIRTEL

Technology	Coverage Rate %
2G	59.35
4G	93.85
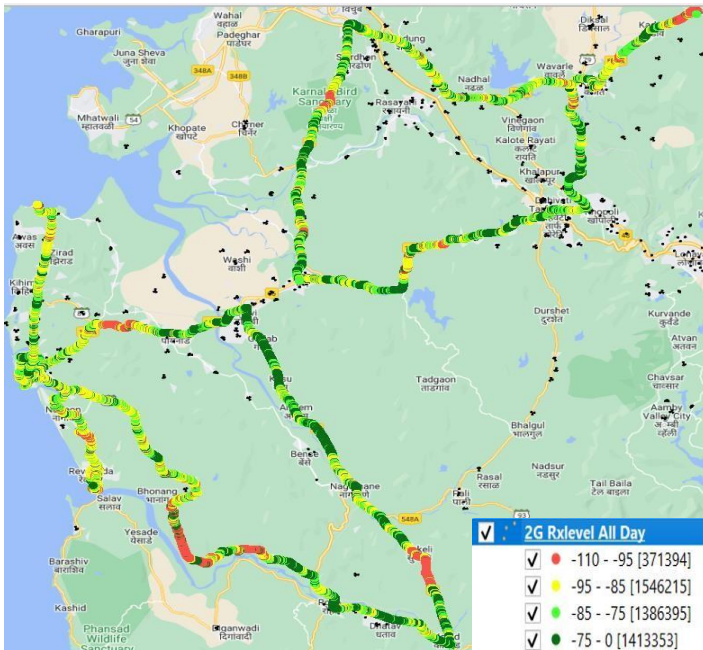
2G	4G
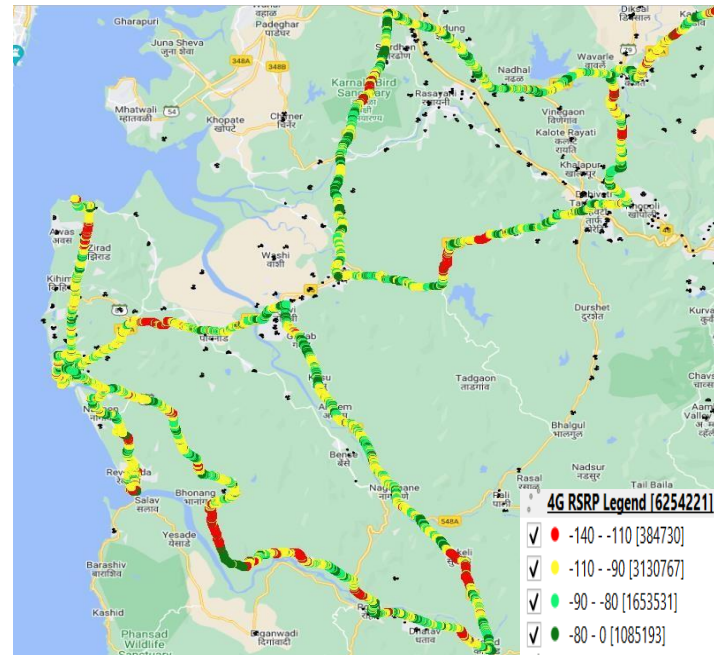
2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	1413353	29.96
[-75, >=-85)	1386395	29.39
[-85, >=-95)	1546215	32.78
[-95, >=Min)	371394	7.87
Total	4717357	100

4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	1085193	17.35
[-80, >=-90)	1653531	26.44
[-90, >=-110)	3130767	50.06
[-110, >=Min)	384730	6.15
Total	6254221	100

BSNL

Technology	Coverage Rate %
2G	42.42
3G	31.04
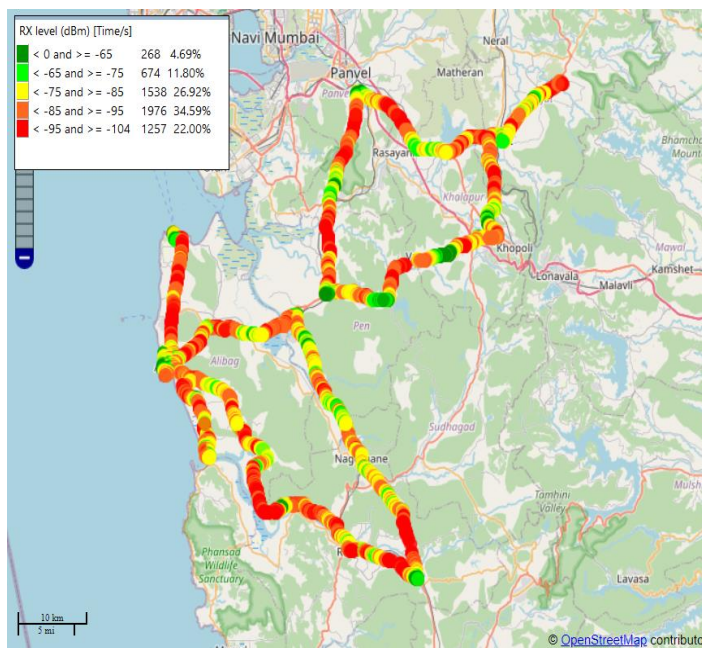
2G	3G
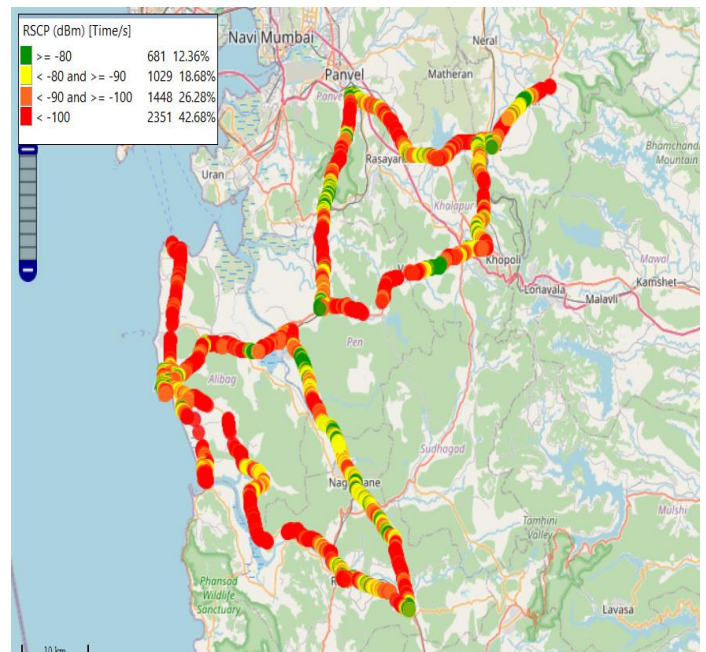
2G		
Overall RxLevel	**# Samples**	**% PDF**
[Max, >=-75]	942	16.49
[-75, >=-85)	1538	26.93
[-85, >=-95)	1976	34.59
[-95, >=Min)	1257	21.99
Total	**5713**	**100%**

3G		
Overall RSCP	**# Samples**	**% PDF**
[Max, >=-70] [-70, >=-80)	681	12.36
[-80, >=-90)	1029	18.68
[-90, >=Min)	78213799	68.96
Total	**5509**	**100%**

JIO

Technology	Coverage Rate %
4G	93.1
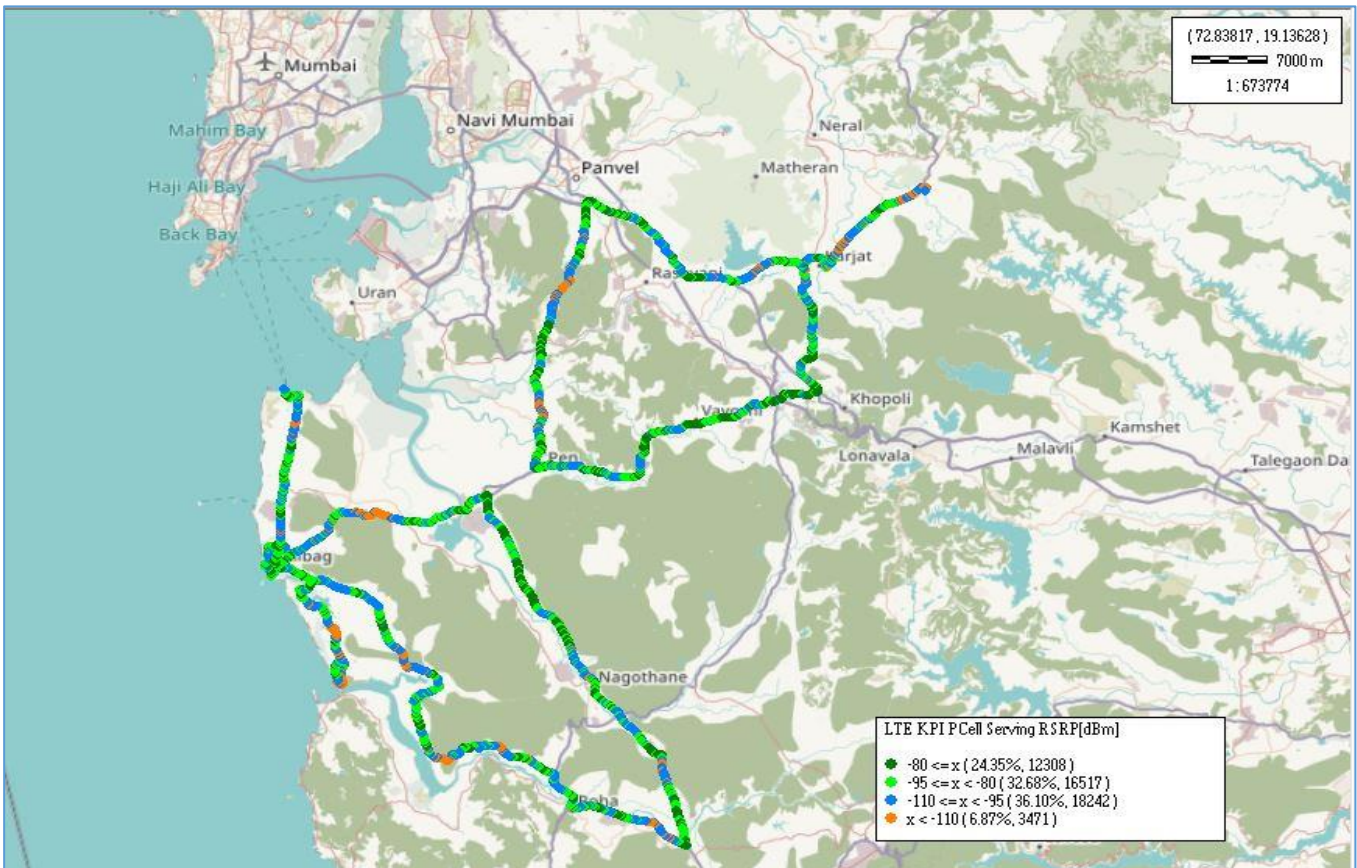
4G/VoLTE		
Overall RSRP	**# Samples**	**% PDF**
[Max, >=-80]	12308	24.35
[-80, >=-90)	16517	32.68
[-90, >=-110)	18242	36.10
[-110, >=Min)	3471	6.87
Total	**50538**	**100**

VIL

Technology	Coverage Rate %
2G	70.71
4G	85.07

2G

4G
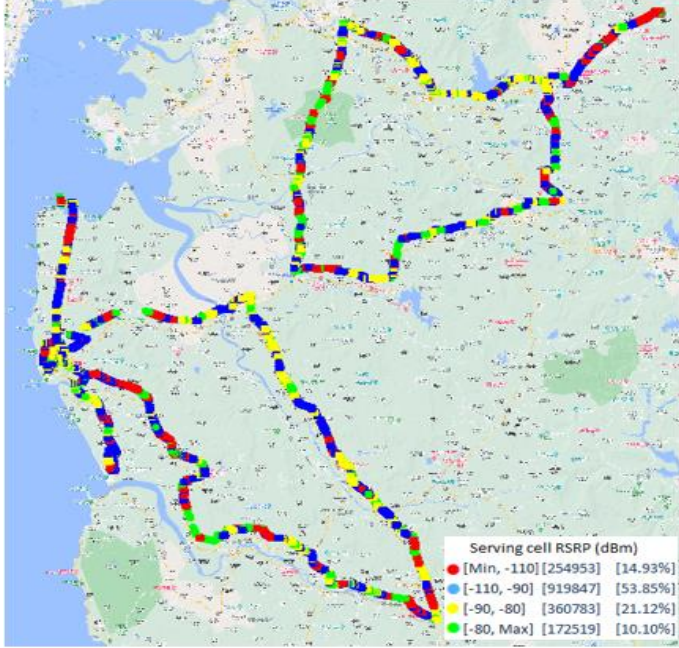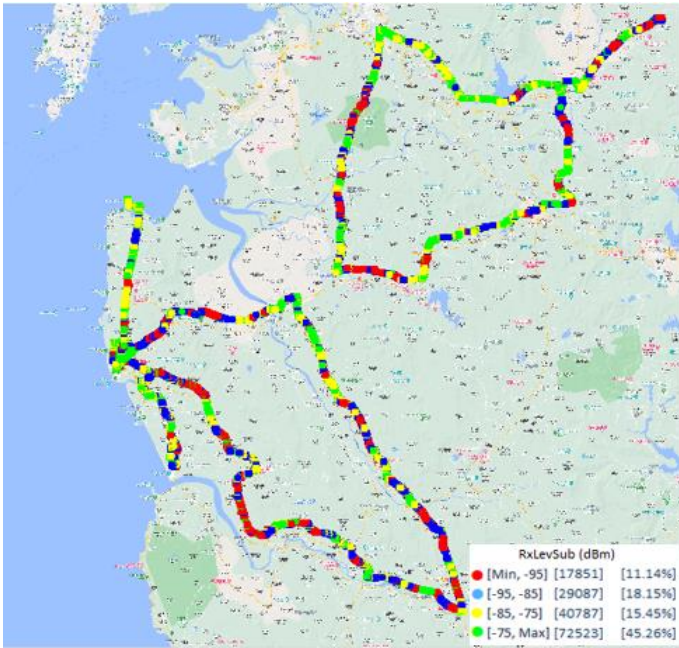
2G			4G/VoLTE		
Overall RxLevel	# Samples	% PDF	Overall RSRP	# Samples	% PDF
[Max, >=-75]	72523	45.26	[Max, >=-80]	172519	10.10
[-75, >=-85)	40787	25.45	[-80, >=-90)	360783	21.12
[-85, >=-95)	29087	18.15	[-90, >=-110)	919847	53.85
[-95, >=Min)	17851	11.14	[-110, >=Min)	254953	14.93
Total	160248	100	**Total**	1708102	100

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

TSP	Rx Quality %
Airtel 2G	95.31
BSNL 2G	97.43
VIL 2G	95.03
Airtel 4G	95.81
BSNL 3G	92.19
Jio 4G	92.5
VIL 4G	89.46

Rx Quality

Legend:
- ■ Rx Quality
- ■ Rx Quality 2G:[>5] 3G:[EcNo<-14 dBm] VoLTE:[SINR<=0]
- ■ Rx Quality 2G:[<=5] 3G:[EcNo>=-14 dBm] VoLTE:[SINR>0]
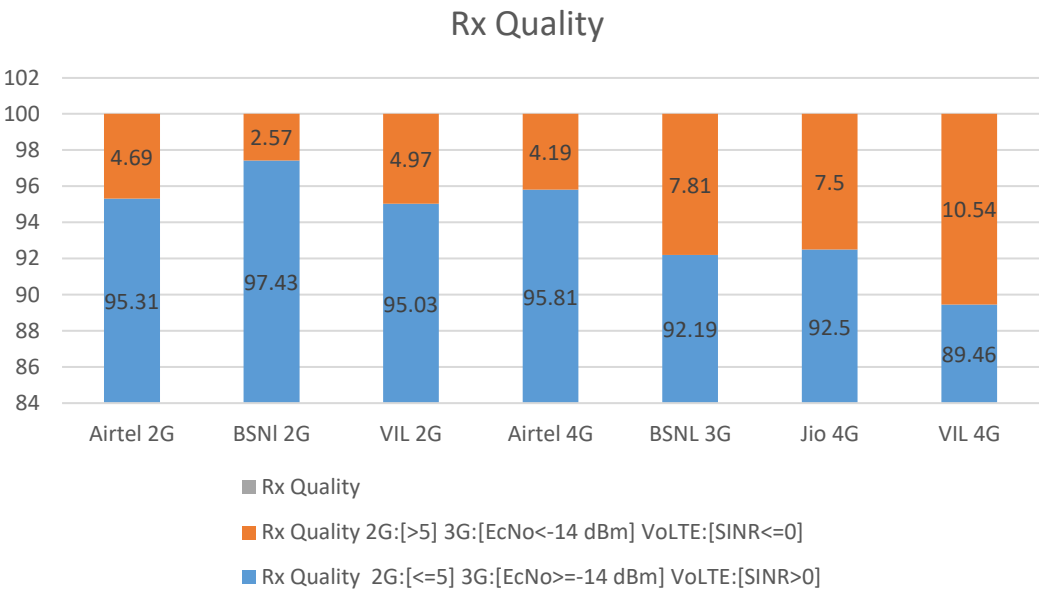
Airtel

Technology	Rx Quality %
2G	95.31
4G	95.81

2G

4G
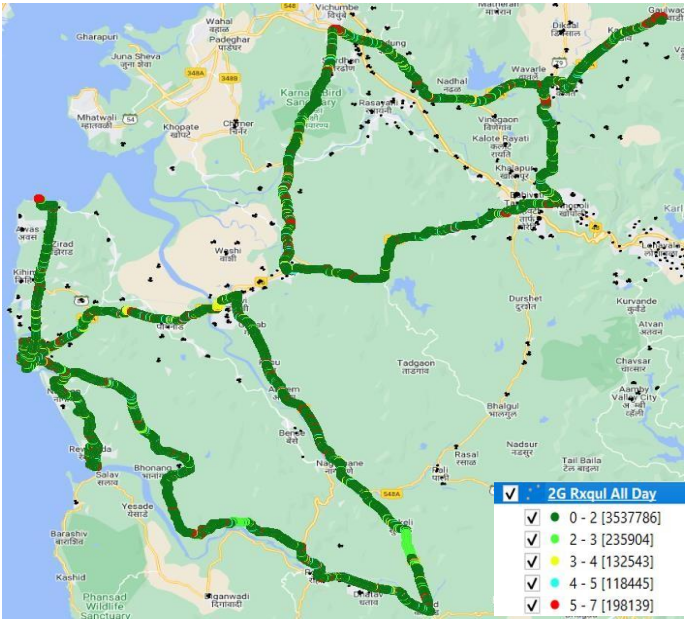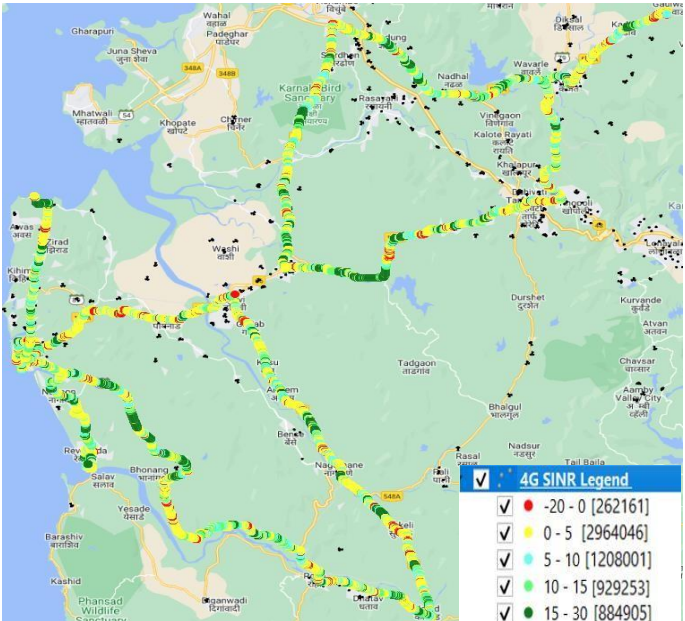
Overall Rx Quality	# Samples	% PDF
(Min, <=2)	3537786	83.78
(2, <=3)	235904	5.59
(3 , <=4)	132543	3.14
(4 , <=5)	118445	2.80
(5 , <=Max)	198139	4.69
Total	4222817	100

Overall SINR	# Samples	% PDF
(Min, <=0)	262161	4.19
(0, <=5)	2964046	47.44
(5, <=10)	1208001	19.33
(10, <=15)	929253	14.87
(15, <=Max)	844905	14.16
Total	6248366	100

BSNL

Technology	Rx Quality %
2G	97.43
3G	92.19

2G
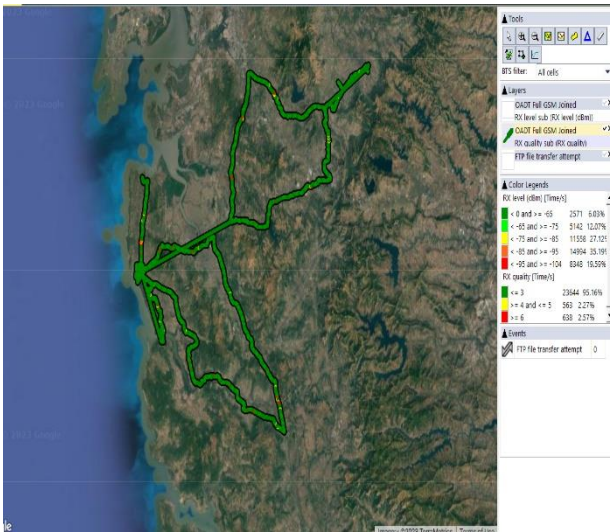
3G
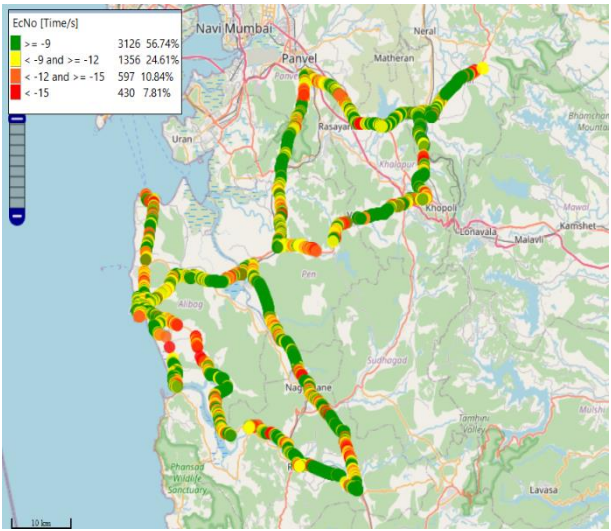
Overall Rx Quality	# Samples	% PDF
(Min, <=2)		
(2, <=3)	23644	95.16
(3 , <=4)		
(4 , <=5)	563	2.27
(5 , <=Max)	638	2.57
Total		100%

Overall EcNo	# Samples	% PDF
(Max, <=-6)	3126	56.74
(-6, <=-9)		
(-9, <=-11)	1953	35.45
(-11, <=-14)		
(-14, <= Min)	430	7.81
Total	5509	100%

JIO

Technology	Rx Quality (%)
4G/4G	92.5
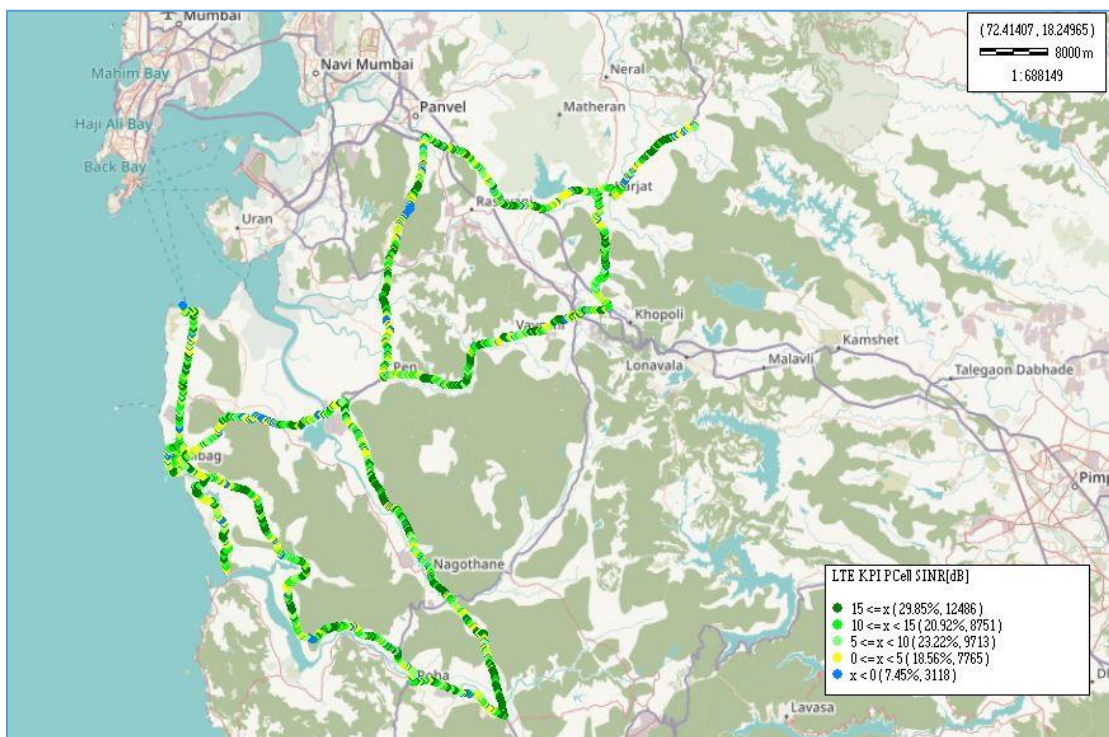
Overall SINR	# Samples	% PDF
(Min, <=0)	3118	7.45
(0, <=5)	7765	18.56
(5, <=10)	9713	23.22
(10, <=15)	8751	20.92
(15, <=Max)	12486	29.85
Total	**41833**	**100%**

VIL

Technology	Rx Quality %
2G	95.03
4G	89.46

2G

4G
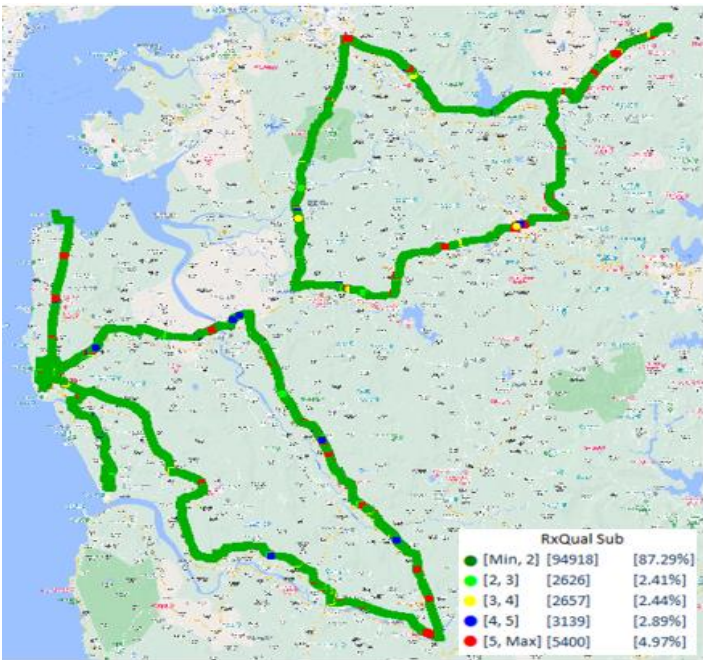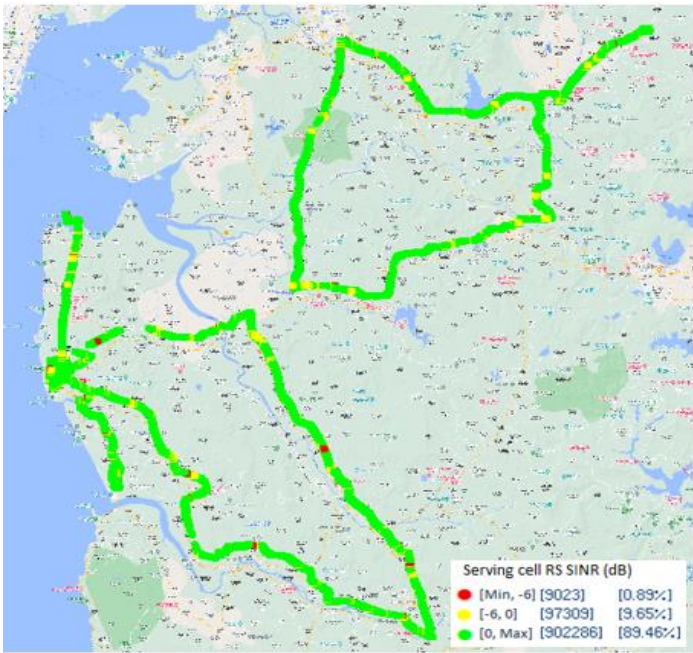
Overall Rx Quality	# Samples	% PDF	Overall SINR	# Samples	% PDF
(Min, <=2)	94918	87.29	(Min, <=0)	106332	10.54
(2, <=3)	2626	2.41	(0, <=5)	180481	17.90
(3 , <=4)	2657	2.44	(5, <=10)	225240	22.33
(4 , <=5)	3139	2.89	(10, <=15)	211326	20.95
(5 , <=Max)	5400	4.97	(15, <=Max)	285239	28.28
Total	108740	100	**Total**	1008618	100

TSP	Time Spent on 3G/4G %
Airtel 4G	100
BSNL 3G	100
Jio 4G	100
VIL 4G	98.98

Percentage of time spent on 3G/4G/4G
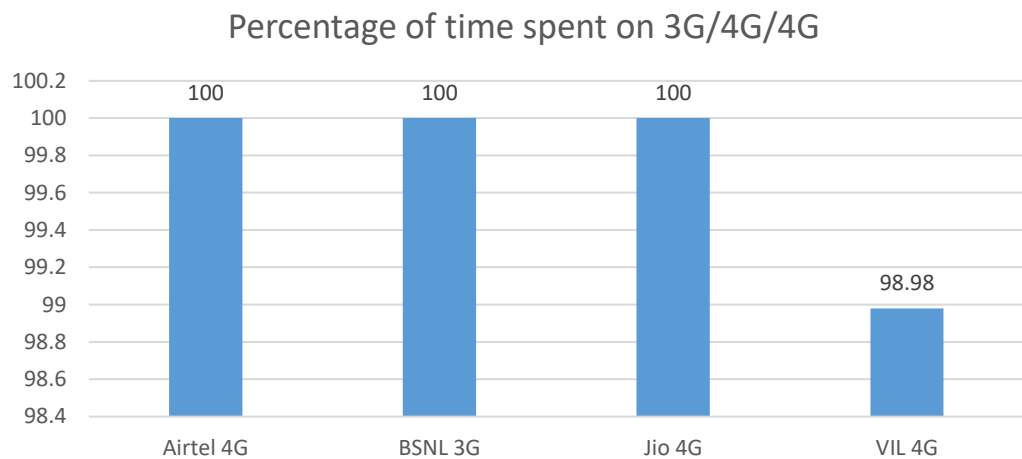
Airtel

Technology	Time Spent %
4G	100
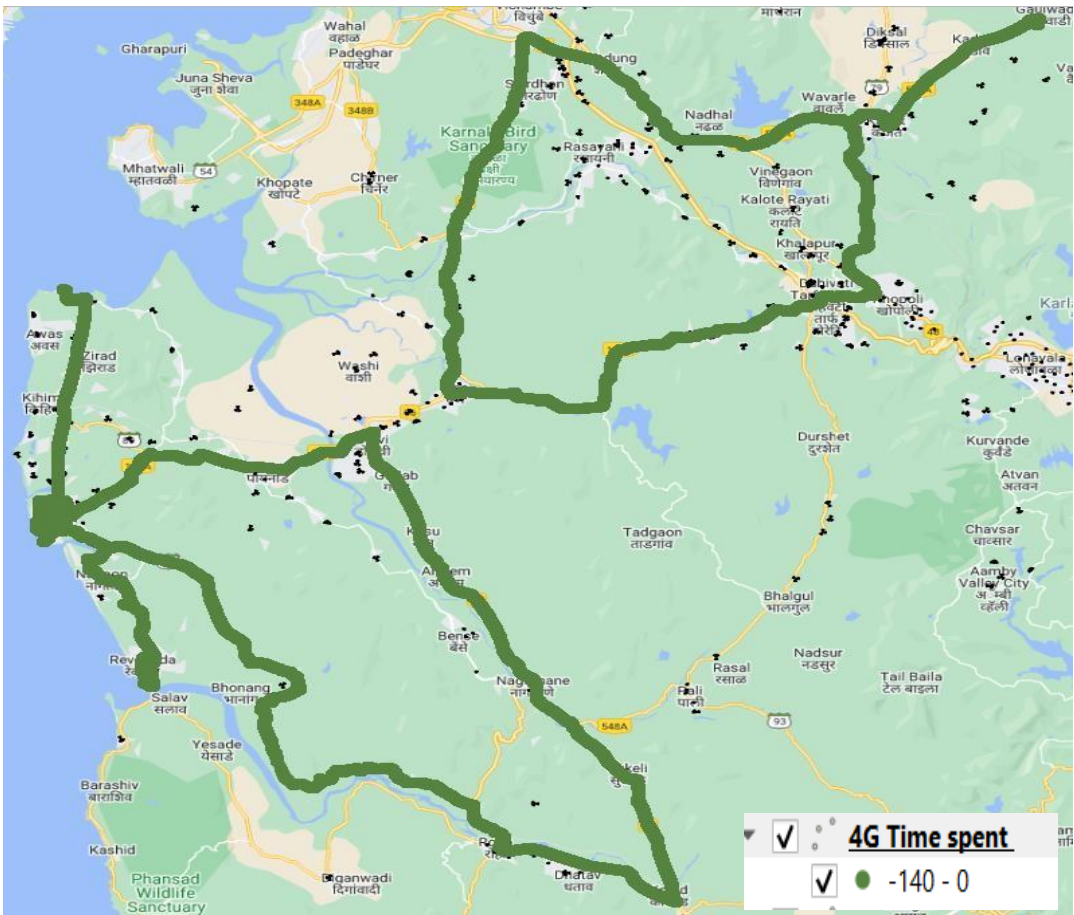
BSNL

Technology	Time Spent %
3G	100

Technology Plot of complete SSA (3G)
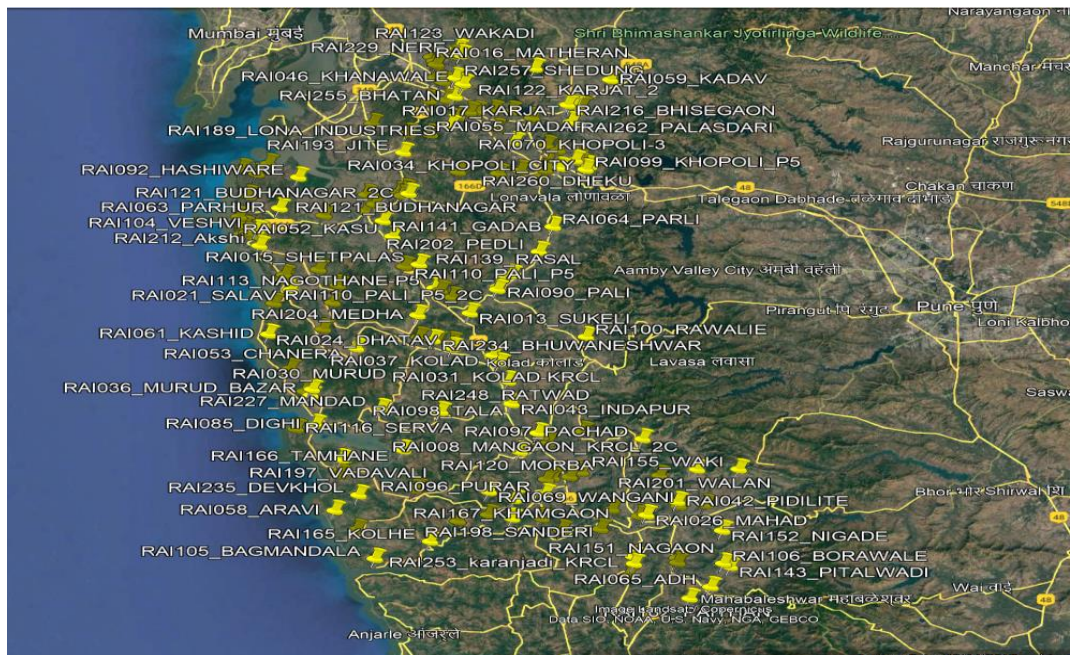
JIO

Technology	Time Spent %
4G	100
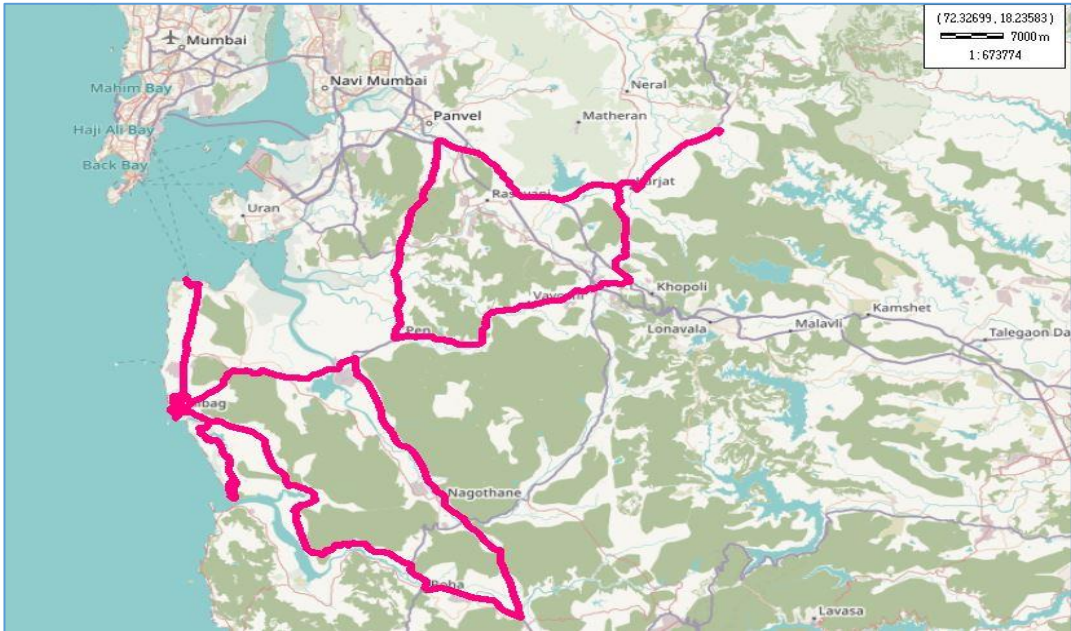
VIL

Technology	Time Spent
4G	98.98

Airtel
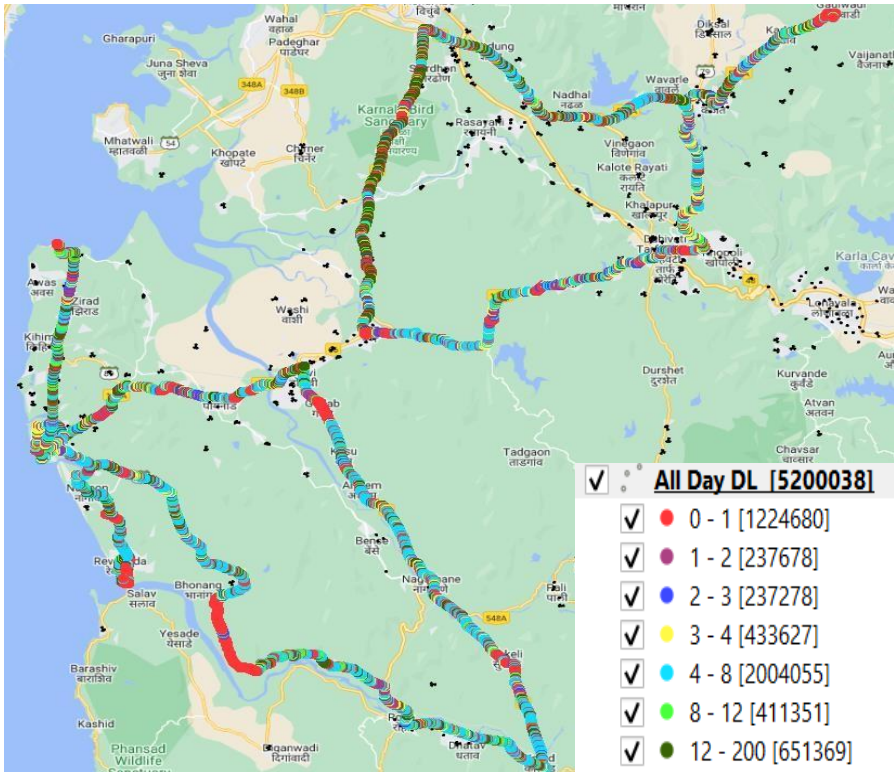
DL throughput	No. of Samples	%
0 to 1 Mbps	1224680	23.55
1 to 2 Mbps	237678	4.57
2 to 3 Mbps	237278	4.56
3 to 4 Mbps	433627	8.34
4 to 8 Mbps	2004055	38.54
8 to 12 Mbps	411351	7.91
>12 Mbps	651369	12.53
Total	52000381	100
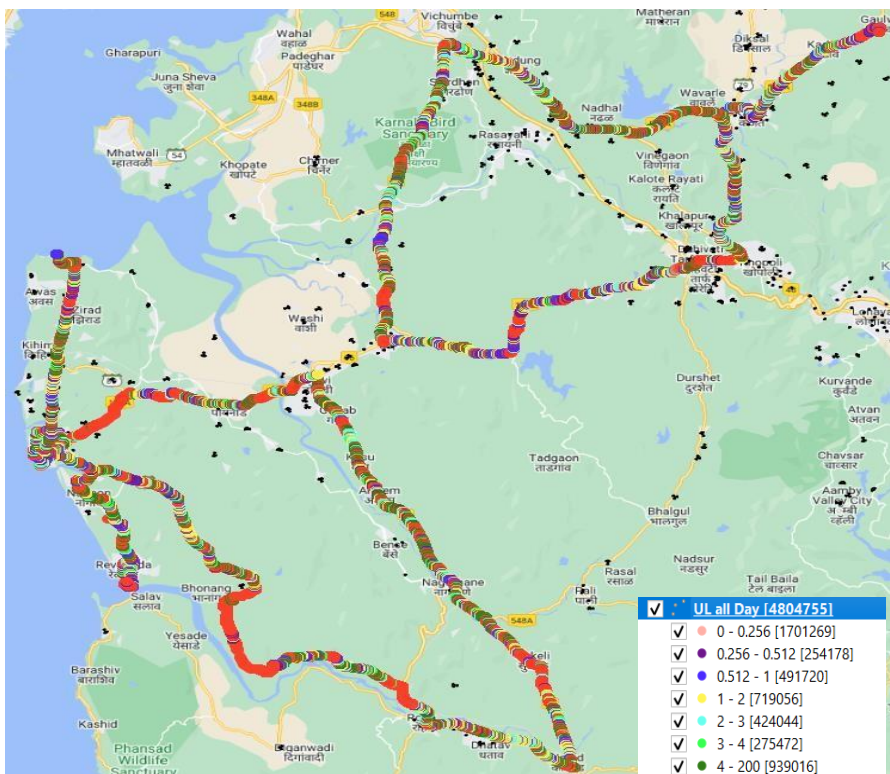
UL throughput	No. of samples	%
0 to 256 Kbps	1701269	35.41
250 to 512 Kbps	254178	5.29
512 Kbps to 1 Mbps	491720	10.23
1 to 2 Mbps	719056	14.97
2 to 3 Mbps	424044	8.83
3 to 4 Mbps	275472	5.73
>4 Mbps	939016	19.54
Total	4804755	100

BSNL
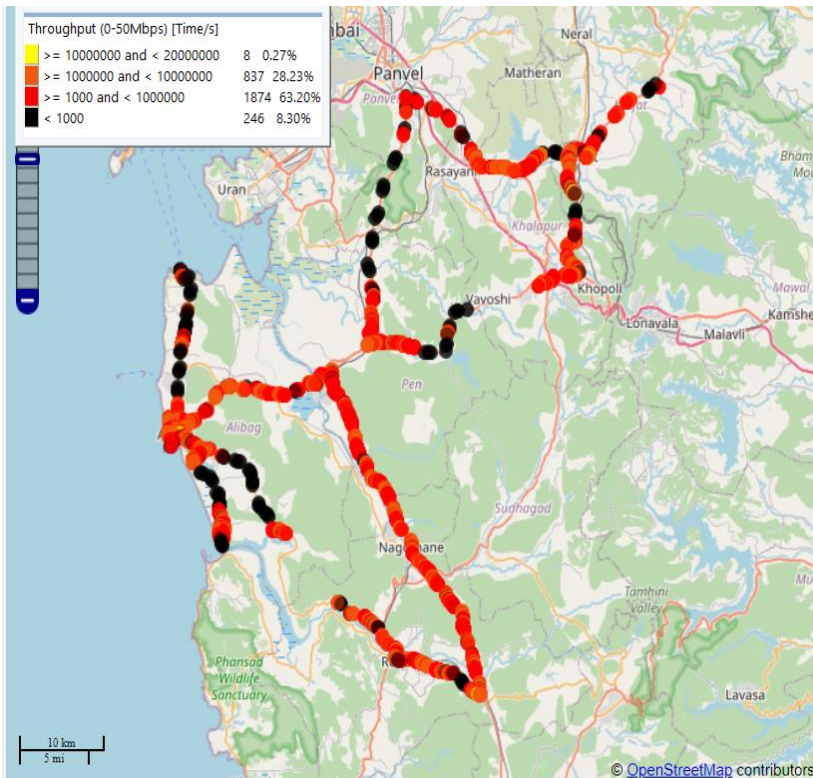
DL throughput	No. of Samples	%
0 to 1 Mbps	2120	71.50
1 to 2 Mbps		
2 to 3 Mbps	837	28.23
3 to 4 Mbps		
4 to 8 Mbps		
8 to 12 Mbps	8	0.27
>12 Mbps		
Total	2965	100
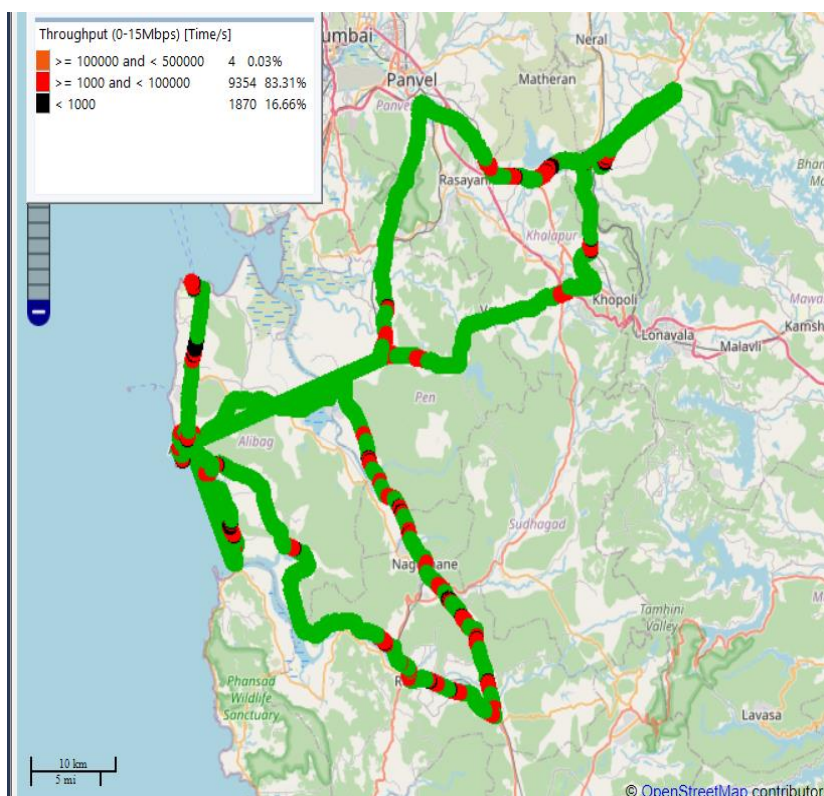
UL throughput	No. of Samples	%
0 to 1 Mbps	1870	16.65
1 to 2 Mbps		
2 to 3 Mbps	9354	83.31
3 to 4 Mbps		
4 to 8 Mbps	4	0.04
8 to 12 Mbps		
>12 Mbps	NIL	NIL
Total	11228	100

JIO
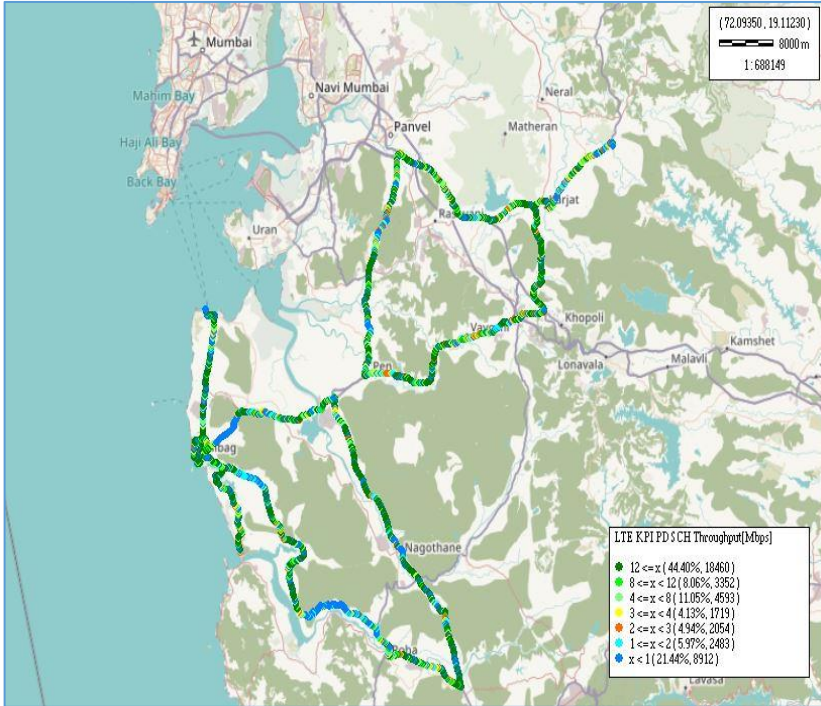
DL throughput	No. of Samples	%
0 to 1 Mbps	8912	21.44
1 to 2 Mbps	2483	5.97
2 to 3 Mbps	2054	4.94
3 to 4 Mbps	1719	4.13
4 to 8 Mbps	4593	11.05
8 to 12 Mbps	3352	8.06
>12 Mbps	18460	44.40
Total	41,573	100
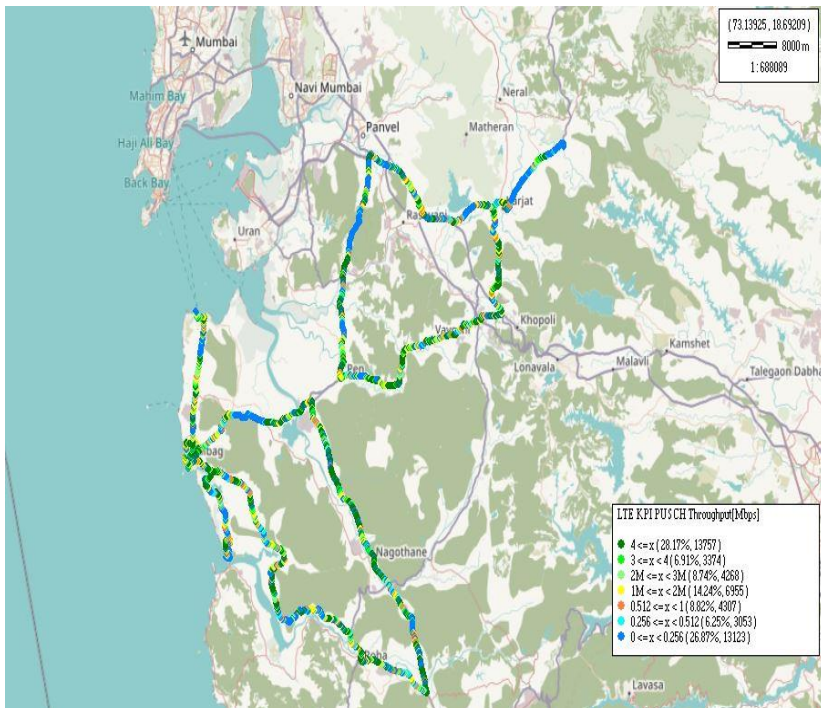
UL throughput	No. of samples	%
0 to 256 kbps Mbps	13123	26.87
256 to 512 kbps	3053	6.25
512 Kbps to 1 Mbps	4307	8.82
1 to 2 Mbps	6955	14.24
2 to 3 Mbps	4268	8.74
3 to 4 Mbps	3374	6.91
>4Mbps	13757	28.17
Total	48,837	100%

VIL
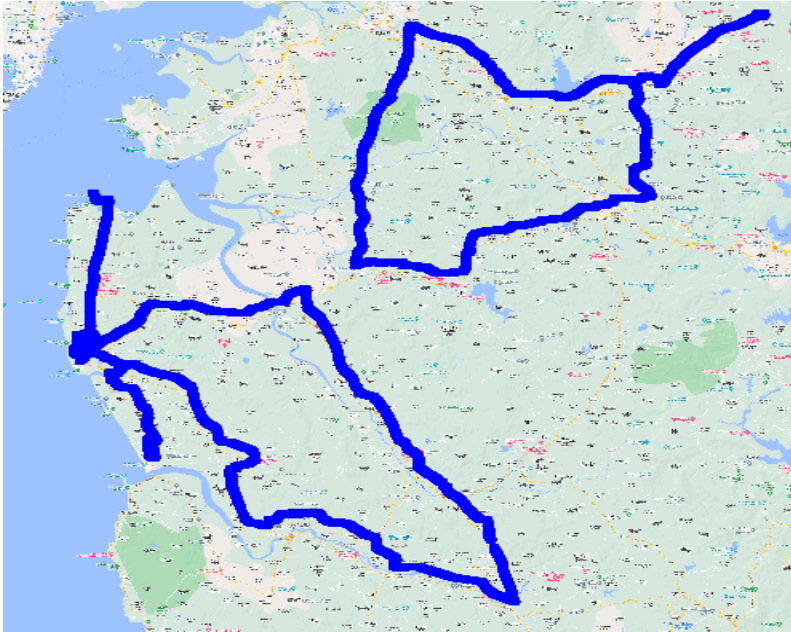
DL throughput	No. of Samples	%
0 to 1 Mbps	4155782	35.65
1 to 2 Mbps	727825	6.25
2 to 3 Mbps	744418	6.39
3 to 4 Mbps	536780	4.60
4 to 8 Mbps	1082033	9.28
8 to 12 Mbps	765937	6.57
>12 Mbps	3643691	31.26
Total	11656466	100
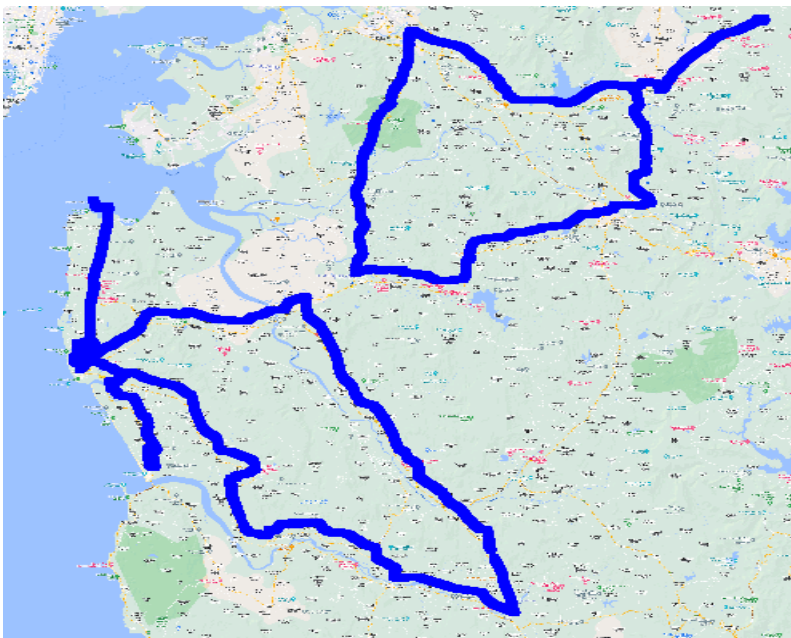
UL throughput	No. of samples	%
0 to 256 Kbps	3263259	36.86
250 to 512 Kbps	410311	4.63
512 Kbps to 1 Mbps	550933	6.22
1 to 2 Mbps	841772	9.51
2 to 3 Mbps	817572	9.23
3 to 4 Mbps	548696	6.20
>4Mbps	2421278	27.35
Total	8853821	100

AIRTEL

Techology-2G	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	0.14	0.14	0.11	0.17	0.16	0.14
Upload Speed (Mbps)	0.22	0.10	0.10	0.22	0.13	0.14
Latency	NA	NA	NA	NA	NA	NA
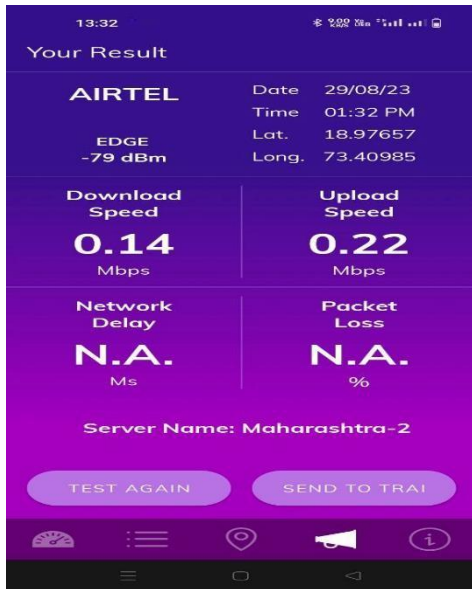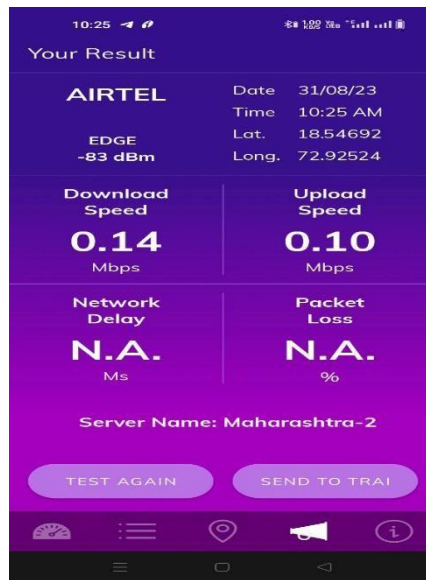
SAWLA VILLAGE

REVADANA FORT

COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL
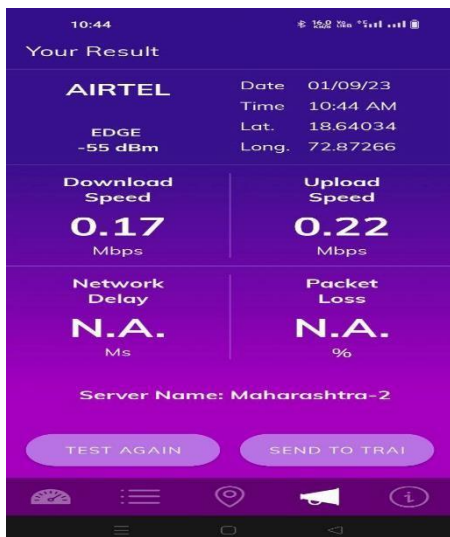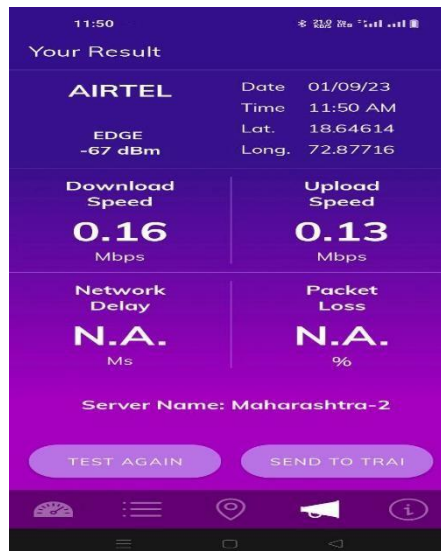
SMART RAIGAD BAZAR
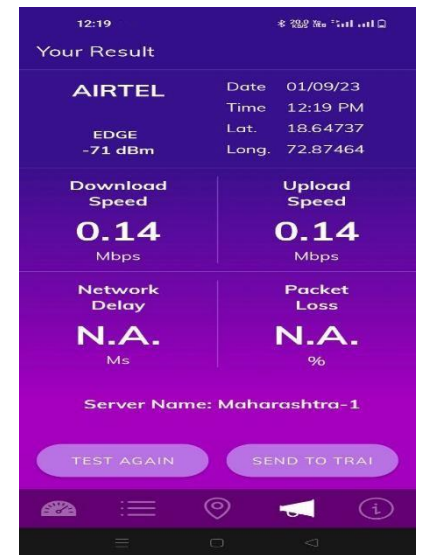
ALIBAD BUS STAND

V. TRAI My Speed App Test Details-4G

Techology-4G/VoLTE	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	16.46	19.07	14.37	31.03	21.44	25.92
Upload Speed (Mbps)	7.13	9.60	9.13	4.54	27.01	29.02
Latency	22.5	46.5	25.2	31.8	46.5	77.6

SAWLA VILLAGE

REVADANA FORT

COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL

SMART RAIGAD BAZAR
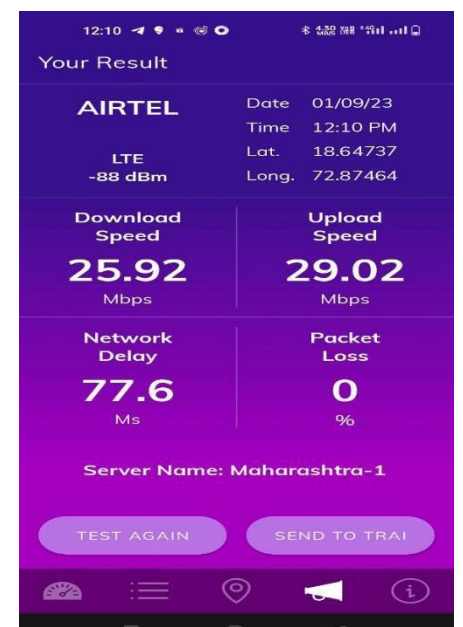
ALIBAD BUS STAND

V. TRAI MySpeed App Test Details-2G

Techology-2G	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	0.02	0.02	0.06	0.06	0.12	0.13
Upload Speed (Mbps)	0.01	0.02	0.02	0.02	0.16	0.09
Latency(ms)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

SAWLA VILLAGE

REVADANA FORT

COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL

SMART RAIGAD BAZAR

ALIBAD BUS STAND

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

Techology-4G/VoLTE	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	4.32	10.82	3.05	9.8	10.82	12.01
Upload Speed (Mbps)	0.94	4.07	0.96	3.79	4.07	2.59
Latency(ms)	33.4	24.7	38.8	28.9	24.7	24

SAWLA VILLAGE **REVADANA FORT** **COLLECTOR OFFICE ALIBAG**

ALIBAG CIVIL HOSPITAL **SMART RAIGAD BAZAR** **ALIBAD BUS STAND**

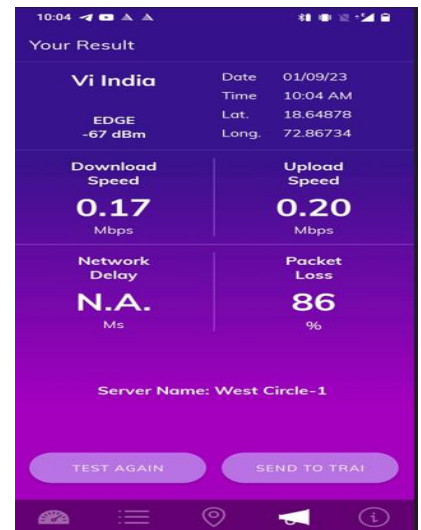# V. TRAI MySpeed App Test Details-4G

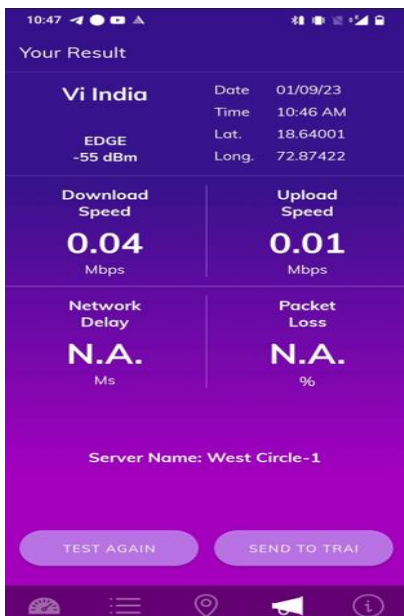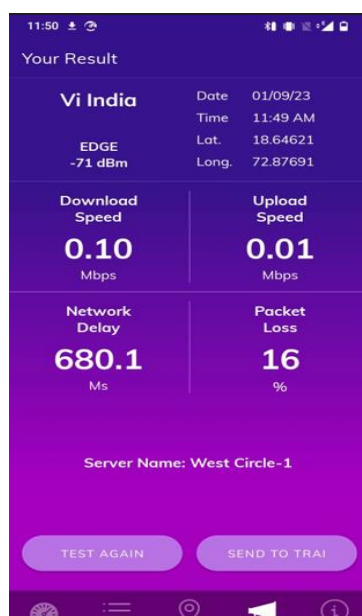| Techology-4G	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	2.35	5.01	27.38	23.16	9.49	9.16
Upload Speed (Mbps)	0.53	0.19	3.16	10.45	4.69	3.53
Latency	69.1	77.6	62.7	47.8	45.1	60.5

SAWLA VILLAGE
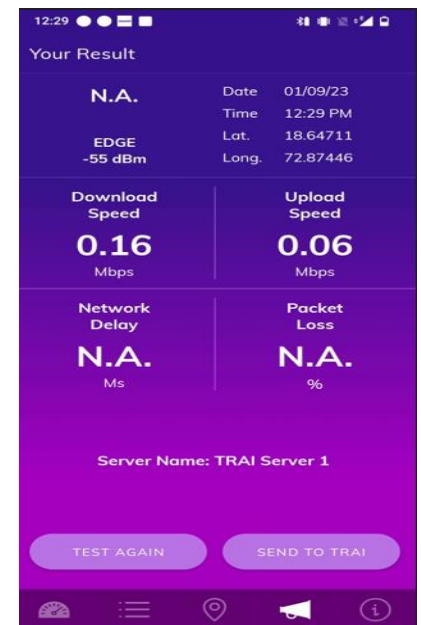
REVADANA FORT

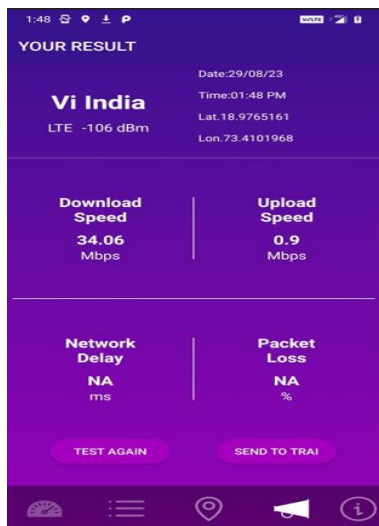COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL
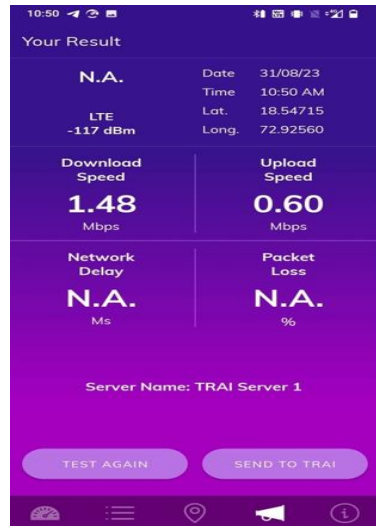
SMART RAIGAD BAZAR

ALIBAD BUS STAND

Techology-2G	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	0.32	0.21	0.17	0.04	0.10	0.16
Upload Speed (Mbps)	0.21	0.34	0.20	0.01	0.01	0.06
Latency	NA	NA	NA	NA	NA	NA
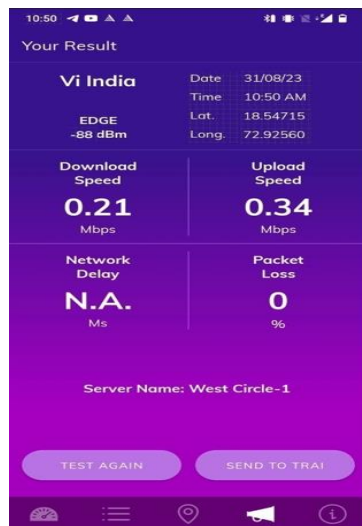
SAWLA VILLAGE

REVADANA FORT

COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL

SMART RAIGAD BAZAR

ALIBAD BUS STAND

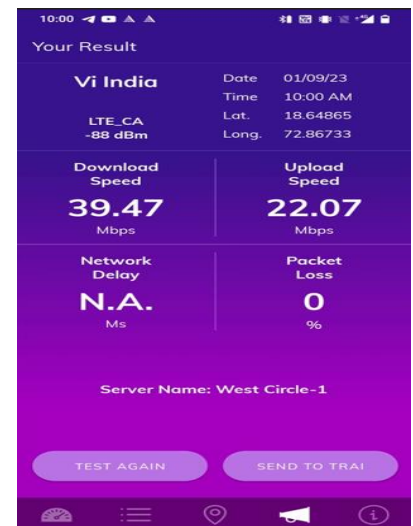# V. TRAI MySpeed App Test Details-4G
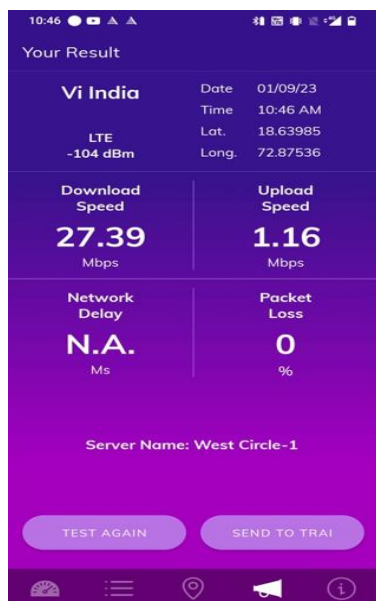
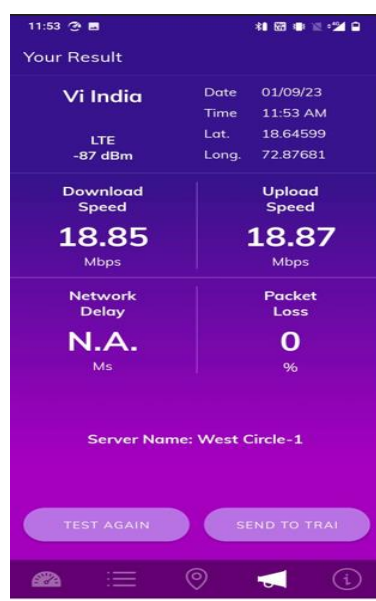| Techology-4G/VoLTE	Sawla Village	Revadana Fort	Collector Office Alibag	Alibag Civil Hospital	Smart Raigad Bazar	Alibag Bus Stand
Download Speed (Mbps)	34.06	1.48	39.47	27.39	18.85	5.82
Upload Speed (Mbps)	0.9	0.60	22.07	1.16	18.87	18.02
Latency	NA	NA	NA	NA	NA	NA

SAWLA VILLAGE

REVADANA FORT

COLLECTOR OFFICE ALIBAG

ALIBAG CIVIL HOSPITAL

SMART RAIGAD BAZAR

ALIBAD BUS STAND