

# Operator Assisted Drive Test Report

For

## Kozhikode

07<sup>th</sup> to 09<sup>th</sup> Apr 2025

Kozhikode-Koylandi-Vatakara-Kuttiyadi-Perambra-Balusseri-  
Kunnamangalam-Kozhikode

07-04-25 (NH ) 162 Kms

Kozhikode-Mankave-Eranhimavu-Mukkam-Tamarasserry-  
Omassery-Koduvally-Chungam-Ulleri-Kozhikode

08-05-2025 (SH ) 140 Kms

Kozhikode City and Surrounding

(09-04-2025 - 100 kms)

**TRAI RO, Bengaluru**

### Key Performance Indicators:

- All TSPs have met the 2% QOS benchmark of Drop Call Rate except BSNL 4G.
- All TSPs have met the 3% QOS benchmark of Call Block Rate except BSNL 4G.
- All TSPs have met the Rx Quality except BSNL3G & VIL 4G.
- All TSPs have met the Mobility HOSR..
- All TSPs have met CSSR%(Accessibility) except BSNL 2G & 4G

The Operator Assisted Drive Test has been carried out by the Regional Office, Bangalore with the help of Service Providers from 07<sup>th</sup> to 09<sup>th</sup> Apr 2025. The drive test covered the route of **402 Kms** including NH/SH of **162 Kms** & **6** hotspots. Approximately 450 calls were made for each of the 8 networks: three 2G networks, one 3G network and four 4G networks covering four TSPs.

Overview

Voice  
Summary

Data  
Summary

# Overview

Regional Office, TRAI Bengaluru conducted Operator Assisted Drive Test from 07<sup>th</sup> to 09<sup>h</sup> **Apr 2025** covering various locations in Kozhikode & 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 a wait time of 10 sec between calls in all technologies. The drive test covered a drive route of approximately **402 KMs** including **NH/SH of 162 Kms** over a period of 3 days from 07<sup>th</sup> to 9<sup>th</sup> **Apr 2025**. Approximately 450 calls were made for each of the 8 networks: three 2G (Lock Mode) networks, One 3G network and four 4G networks covering 4 unique TSPs.

**Data Tests:** Dynamic data test (Test Data on Move) was conducted for **402 KMs** including **NH/SH of 162 Kms** over a period of 3 days for download throughput for 4G technology. Data Tests were performed at 6 static locations; three 2G (Lock mode) networks, One 3G network and four 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, and 4G measurement is done with UE in Free Mode.

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

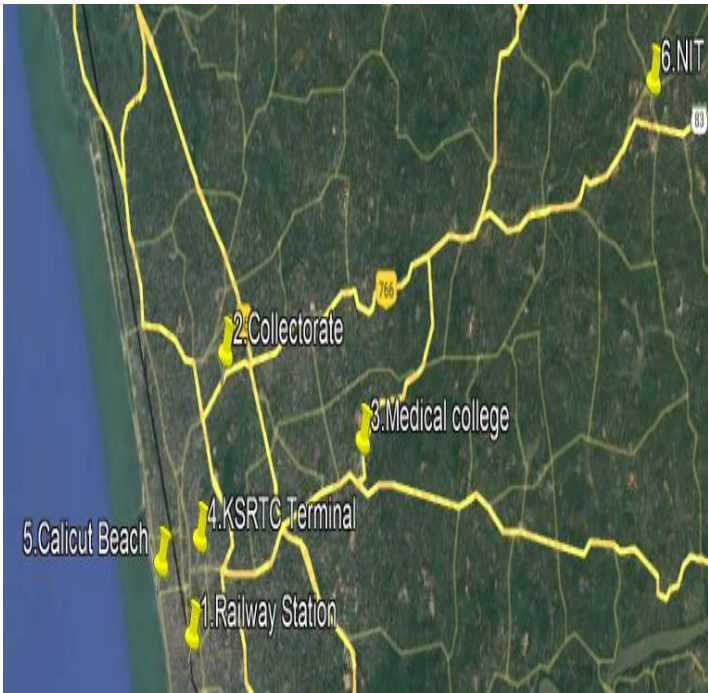
Service	Specifications
Download	2G (Locked) - 500KB, 3G (Dual) - 20 MB, 4G (Free) - 40 MB
Upload	2G (Locked) - 100KB, 3G (Dual) - 5 MB, 4G (Free) - 10 MB
Web Browsing	3 links of e/m commerce website <a href="http://www.amazon.in">www.amazon.in</a> , <a href="http://www.flipkart.com">www.flipkart.com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

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



Area Covered
Day 1: Kozhikode – Koyilandy – Vatakara - Kuttiady – Parambra – Balussery - Kunnamangalam – Kozhikode
Day 2: Kozhikode – Mankave - Eranhimavu – Mukkam - Tamarasserry – Omassery – Koduvally – Chugam – Ulliyeeri - Kozhikode
Day 3: Kozhikode City and Surrounding

Data Service Test- Static Locations



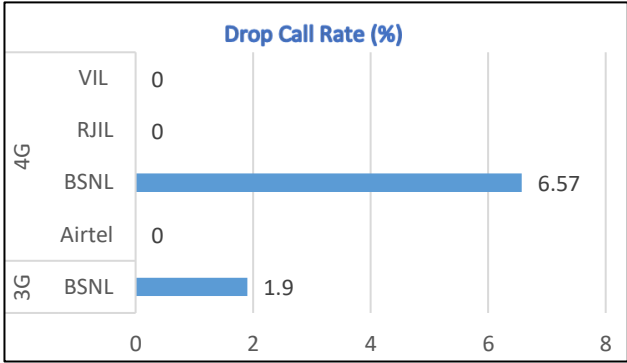
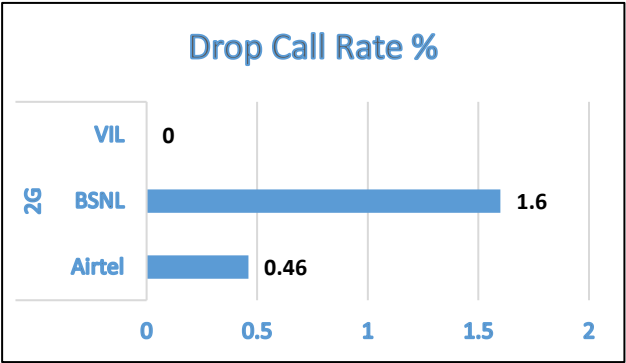
Static Test Locations
Day 1: 1. Railway Station 2. Collectorate
Day 2: 3. Medical College 4. KSRTC Bus Stand
Day 3: 5. Kozhikode Beach 6. NIIT

# Voice Calls

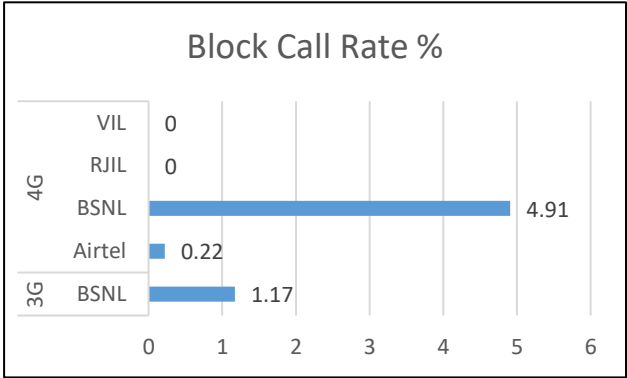
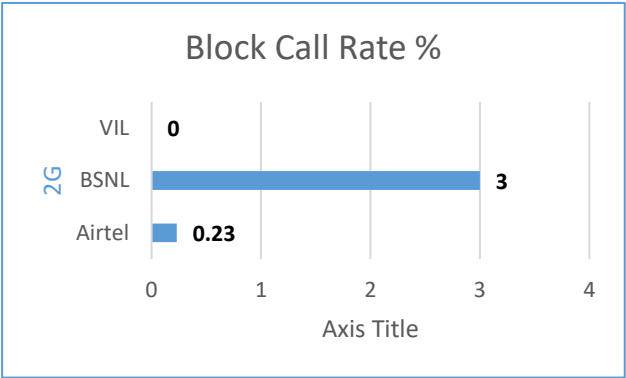
## Key Observations

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	BSNL	RJIL	VIL
Drop Call Rate %	0.46	1.6	0	1.9	0	6.57	0	0
Block Call Rate %	0.23	3	0	1.17	0.22	4.91	0	0

- a) All TSPs have met the 2% QOS benchmark of Drop Call Rate. Except BSNL 4G
- b) All TSPs have met the 3% QOS benchmark of Call Block except BSNL 4G

# Voice Calls

## Key Observations

### Coverage

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

TSPs	2G		
	Airtel	BSNL	VIL
Coverage%	80.75	79.29	91.30

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

TSPs	3G	4G			
	BSNL	Airtel	BSNL	JIO	VIL
Coverage %	67.78	97.32	86.55	98.1	97.08

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

TSPs	3G		4G		
	BSNL	Airtel	BSNL	JIO	VIL
Time Spent on 3G/4G%	24.54	100	77.72	100	99.15

# Summary

City Level Summary

Voice Call	2G		
	Airtel	BSNL	VIL
Call Attempt	438	500	435
Blocked Call Rate (%)	0.23	3	0
CSSR% (Accessibility)	99.77	97	100
Drop Call Rate (%)	0.46	1.6	0
Rx Quality (%)	96.99	97.26	96.9
Mobility HOSR (%)	99.21	98.43	98.4

Voice Call	3G/4G				
	BSNL 3G	Airtel 3G	BSNL 4G	JIO 4G	VIL 4G
Call Attempt	427	453	448	440	447
Blocked Call Rate (%)	1.17	0.22	4.91	0	0
CSSR% (Accessibility)	98.86	99.78	95.09	100	100
Drop Call Rate (%)	1.9	0	6.57	0	0
Rx Quality (%)	78.14	95.71	96.9	95	90.62
Mobility HOSR (%)	100	100	100	99.46	99.09

# Data Services Static

## Key Observations

Data was tested at 6 locations. The 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					
Data Services Static	3G/4G				
	BSNL 3G	Airtel 4G	BSNL 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	4.91	35.18	6.22	36.4	27.96
Upload Throughput (mbps)	1.56	10.01	7.35	13.1	21.16
Browsing (sec)	7.47	1.6	5.22	1.5	4.16
Video Streaming Delay (sec)	9.7	1.01	6.17	0.3	0.85
Latency (msec)	95.47	61.53	74.73	29.7	54

Data Services Dynamic					
Data Services Dynamic	3G/4G				
	BSNL 3G	Airtel 4G	BSNL 4G	JIO 4G	VIL 4G
Download Throughput (mbps)	3.84	26.37	4.86	12.4	23.12
Upload Throughput (mbps)	1.17	4.8	2.93	3.4	20.87



Data Services Static	3G/4G				
Location 1 (Railway Station,)	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	2.28	4.06	11.48	16.73	25.52
Upload Throughput (mbps)	1.49	2.88	9.86	7.48	8.68
Web Browsing Delay (sec)	9.74	7.41	1.74	1.32	4.1
Video Streaming Delay (sec)	19.53	10.7	1.89	0.31	0.94
Latency (ms)	130.03	80.03	59	30.1	70

Data Services Static	3G/4G				
Location 2 (collectorate office)	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	5.06	4.84	41.02	29.36	22.93
Upload Throughput (mbps)	1.54	3.2	8.23	18.98	31.26
Web Browsing Delay (sec)	6.71	5.72	1.57	1.96	4.35
Video Streaming Delay (sec)	8.22	5.94	0.77	0.31	0.82
Latency (ms)	87.21	78.13	62	27.78	59

Data Services Static	3G/4G				
Location 3 (Bus Stand Kozhikode)	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	2.97	4.43	31.13	26.9	32.35
Upload Throughput (mbps)	1.56	8.32	8.32	13.41	22.77
Web Browsing Delay (sec)	7.76	4.64	1.57	1.96	3.75
Video Streaming Delay (sec)	10.86	5.29	0.81	0.3	0.79
Latency (ms)	69.47	82	54	32.2	53

Data Services Static	3G/4G				
Location 4 (Govt Medical College)	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	5.2	4.43	39.27	61.35	22.97
Upload Throughput (mbps)	1.53	8.31	11.21	18.14	19.01
Web Browsing Delay (sec)	5.96	4.64	1.82	1.3	4.28
Video Streaming Delay (sec)	7.96	5.29	0.91	0.31	0.98
Latency (ms)	118.38	81.71	70.0	32.6	52.4

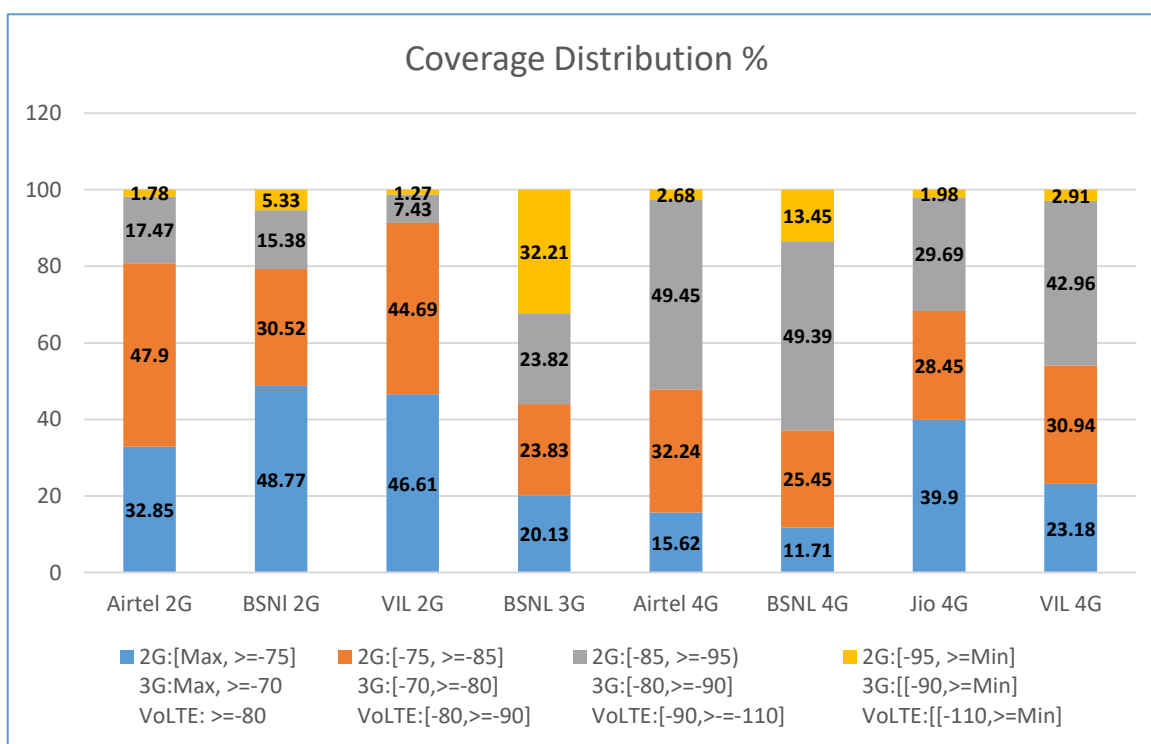
Data Services Static	3G/4G				
Location 5 (NIT Calicut)	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	8.22	7.85	39.62	25	35.49
Upload Throughput (mbps)	1.57	14.09	9.48	12.07	19.82
Web Browsing Delay (sec)	6.75	4.82	1.4	1.32	4.36
Video Streaming Delay (sec)	5.66	5.78	0.84	0.32	0.83
Latency (ms)	104.35	59.91	57.6	27.32	46

Data Services Static	3G/4G				
Location 6 (Kozhikode Beach )	BSNL 3G	BSNL 4G	AIRTEL	JIO	VIL
Download Throughput (mbps)	5.76	11.72	48.57	59.04	28.51
Upload Throughput (mbps)	1.64	7.31	12.94	8.8	25.42
Web Browsing Delay (sec)	7.87	4.07	1.47	1.34	4.14
Video Streaming Delay (sec)	5.98	4	0.82	0.32	0.75
Latency (ms)	63.4	68	66.6	28.3	46

## 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  $\geq -85$  dBm, RSCP is  $\geq -90$  dBm & RSRP  $\geq -110$  dBm. The details are as follows.

Coverage	
TSP	Coverage Rate %
Airtel 2G	<b>80.75</b>
BSNI 2G	<b>79.29</b>
VIL 2G	<b>91.30</b>
BSNI 3G	<b>67.78</b>
Airtel 4G	<b>97.32</b>
BSNL 4G	<b>86.55</b>
Jio 4G	<b>98.10</b>
VIL 4G	<b>97.08</b>

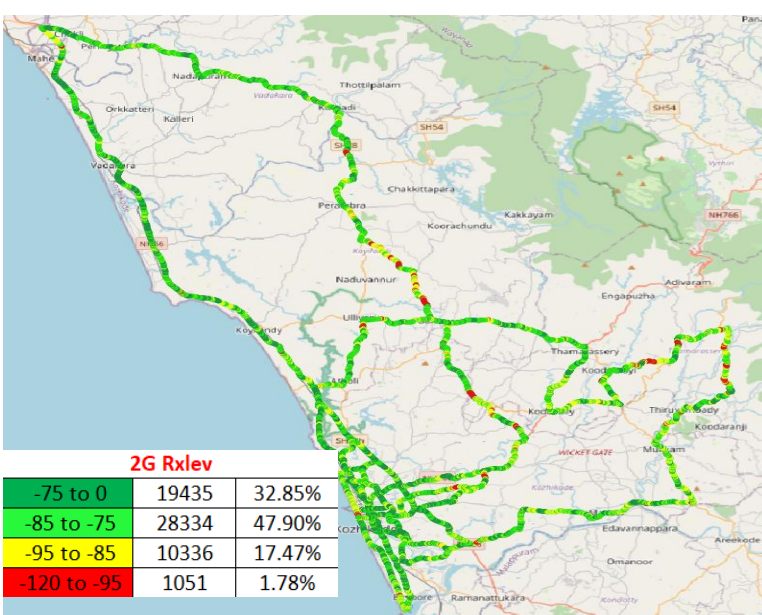


# I. Coverage Details

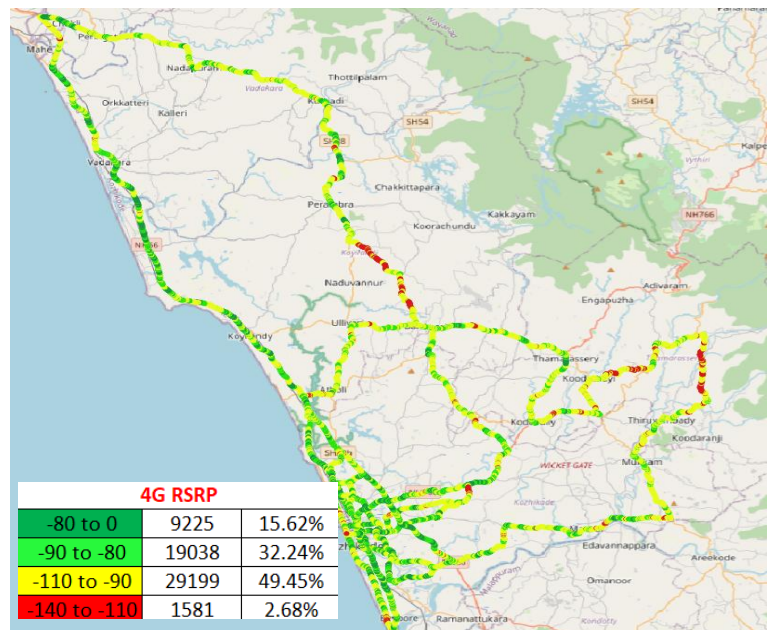
## AIRTEL

Technology	Coverage Rate %
2G	80.75
4G	97.32

### 2G



### 4G



2G			4G/VoLTE		
Overall RxLevel	# Samples	% PDF	Overall RSRP	# Samples	% PDF
[Max, >=-75]	19435	32.85%	[Max, >=-80]	9225	15.62%
[-75, >=-85)	28334	47.90%	[-80, >=-90)	19038	32.24%
[-85, >=-95)	10336	17.47%	[-90, >=-110)	29199	49.45%
[-95, >=Min)	1051	1.78%	[-110, >=Min)	1581	2.68%
<b>Total</b>	<b>59156</b>		<b>Total</b>	<b>59043</b>	

# I. Coverage Details

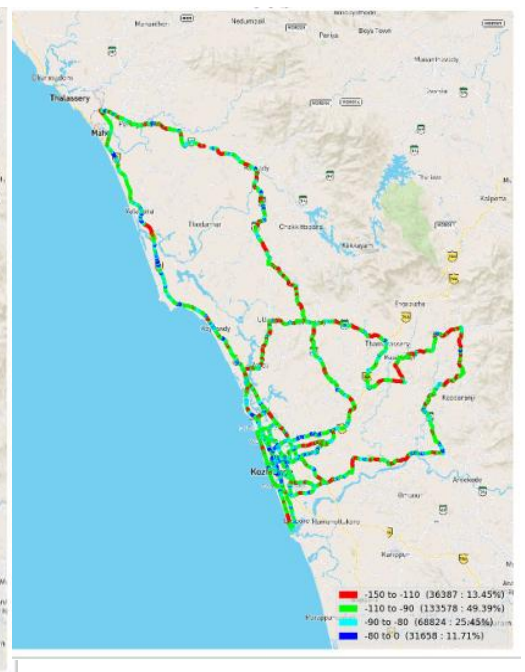
## BSNL

Technology	Coverage Rate %
2G	79.29
3G	67.78
4G	86.55

### 2G

### 3G

### 4G



### 2G

Overall RxLevel	# Samples	% PDF
[Max, >=-75]	46649	48.77%
[-75, >=-85)	29187	30.52%
[-85, >=-95)	14710	15.38%
[-95, >=Min)	5099	5.33%
<b>Total</b>	<b>95645</b>	<b>100 %</b>

### 3G

Overall RSCP	# Samples	% PDF
[Max, >=-70]	39100	20.13%
[-70, >=-80)	46288	23.83%
[-80, >=-90)	46263	23.82%
[-90, >=Min)	62562	32.21%
<b>Total</b>	<b>194213</b>	<b>100%</b>

### 4G/VoLTE

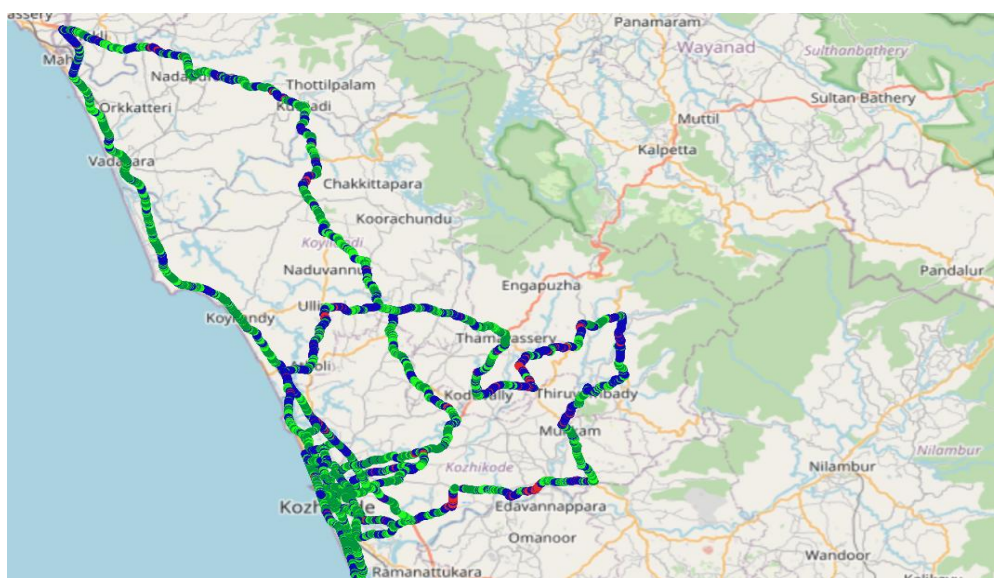
Overall RSRP	# Samples	% PDF
[Max, >=-80]	31658	11.71%
[-80, >=-90)	68824	25.45%
[-90, >=-110)	133578	49.39%
[-110, >=Min)	36387	13.45%
<b>Total</b>	<b>270447</b>	<b>100%</b>



# I. Coverage Details

JIO

Technology	Coverage Rate
4G/VoLTE	98.1%



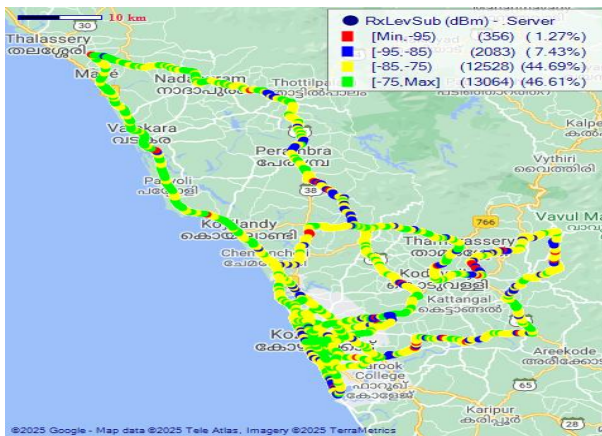
4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	23765	39.90%
[-80, >=-90)	16966	28.45%
[-90, >=-110)	17700	29.69%
[-110, >=Min)	1182	1.98%
<b>Total</b>	<b>59613</b>	<b>100%</b>

## I. Coverage Details

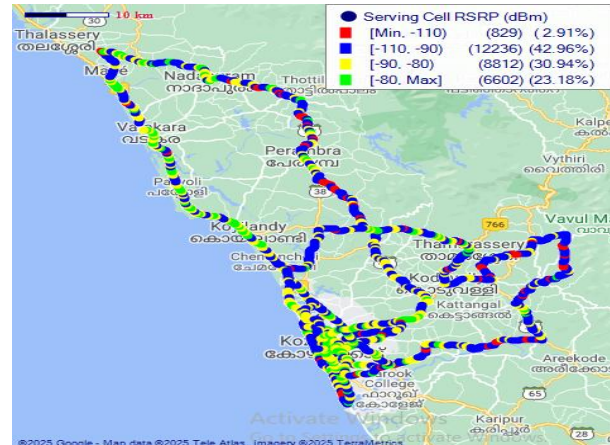
### VIL

Technology	Coverage Rate %
2G	91.30
4G	97.08

### 2G



### 4G



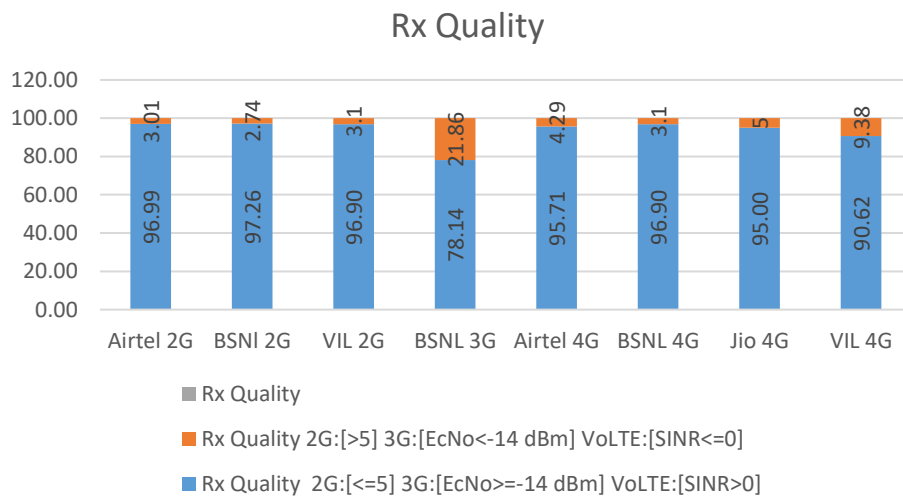
2G		
Overall RxLevel	# Samples	% PDF
[Max, >=-75]	13064	46.61%
[-75, >=-85]	12528	44.69%
[-85, >=-95]	2083	7.43%
[-95, >=Min)	356	1.27%
<b>Total</b>	<b>28031</b>	<b>100%</b>

4G/VoLTE		
Overall RSRP	# Samples	% PDF
[Max, >=-80]	6602	23.18%
[-80, >=-90]	8812	30.94%
[-90, >=-110]	12236	42.96%
[-110, >=Min)	829	2.91%
<b>Total</b>	<b>28479</b>	<b>100%</b>

## II. Quality Details

For measuring voice quality, as per the QoS norms, RxQual  $\leq 5$  for GSM TSPs, EcNo  $\geq -14$  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  $\geq 95\%$ .

Rx Quality	
TSP	Rx Quality %
Airtel 2G	96.99
BSNI 2G	97.26
VIL 2G	96.90
BSNL 3G	78.14
Airtel VoLTE	95.71
BSNL 4G	96.90
Jio VoLTE	95.00
VIL VoLTE	90.62



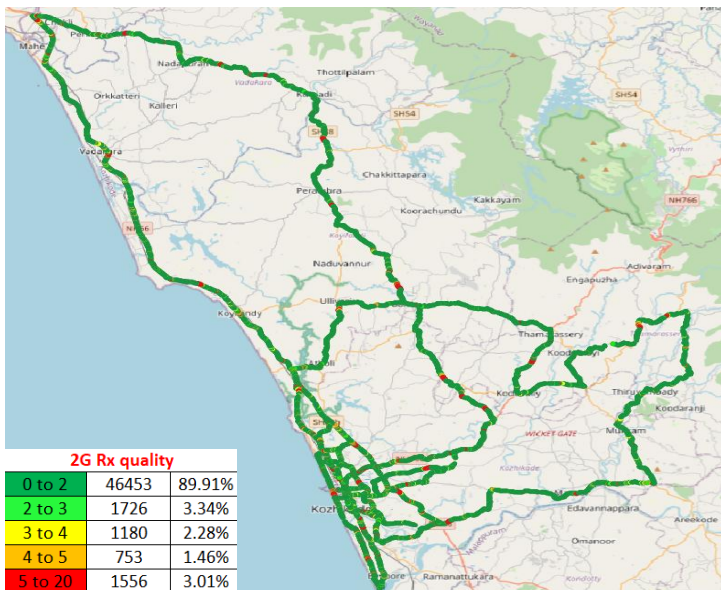


## II. Quality Details

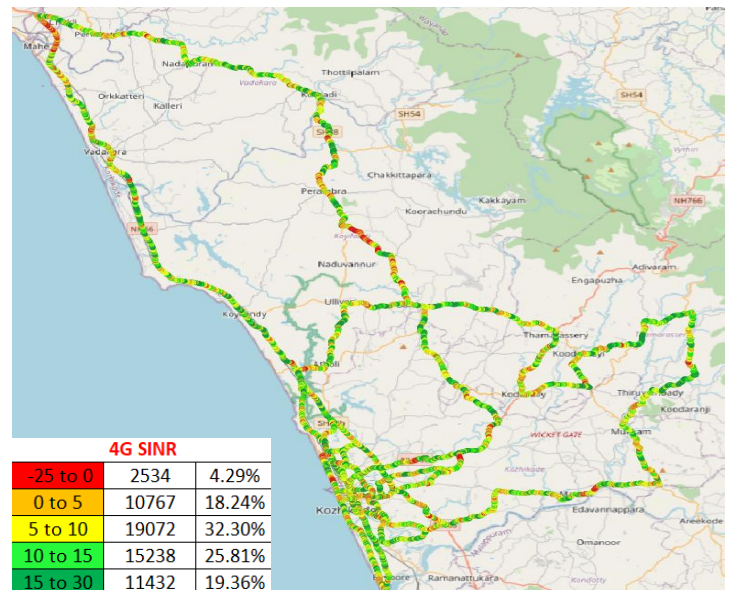
### Airtel

Technology	Rx Quality %
2G	96.99
4G	95.71

#### 2G



#### 4G



Overall Rx Quality	# Samples	% PDF
(Min, <=2)	46453	89.91%
(2, <=3)	1726	3.34%
(3, <=4)	1180	2.28%
(4, <=5)	753	1.46%
(5, <=Max)	1556	3.01%
<b>Total</b>	<b>51668</b>	

Overall SINR	# Samples	% PDF
(Min, <=0)	2534	4.29%
(0, <=5)	10767	18.24%
(5, <=10)	19072	32.30%
(10, <=15)	15238	25.81%
(15, <=Max)	11432	19.36%
<b>Total</b>	<b>59043</b>	

## II. Quality Details

### BSNL

Technology

Rx Quality %

2G

97.26

3G

78.14

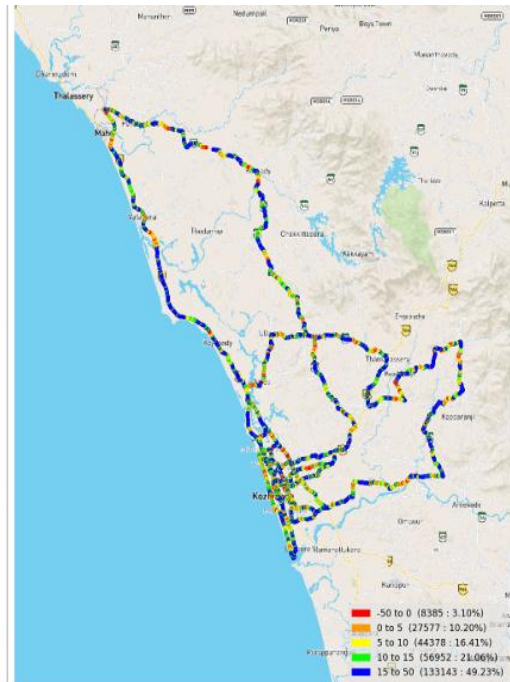
4G

96.9

2G

3G

4G

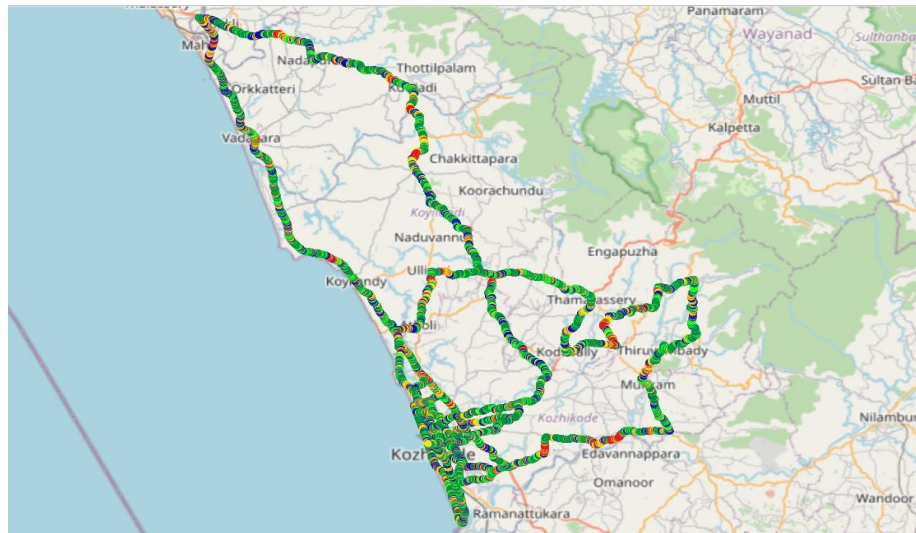


Overall Rx Quality	# Samples	% PDF	Overall EcNo	# Samples	% PDF	Overall SINR	# Samples	% PDF
(Min, <=2)	85047	94.51%	(Max, <=-6)	8435	4.34%	(Min, <=0)	8385	3.10%
(2, <=3)	823	0.91%	(-6, <=-9)	7704	3.97%	(0, <=5)	27577	10.20%
(3, <=4)	856	0.95%	(-9, <=-11)	40030	20.61%	(5, <=10)	44378	16.41%
(4, <=5)	799	0.89%	(-11, <=-14)	95582	49.22%	(10, <=15)	56952	21.06%
(5, <=Max)	2460	2.73%	(-14, <= Min)	42462	21.86%	(15, <=Max)	133143	49.23%
<b>Total</b>	<b>89985</b>	<b>100%</b>	<b>Total</b>	<b>194213</b>	<b>100%</b>	<b>Total</b>	<b>270435</b>	<b>100%</b>

## II. Quality Details

### JIO

Technology	Rx Quality (%)
4G/4G	95.0



Overall SINR	# Samples	% PDF
(Min, <=0)	2996	5.03%
(0, <=5)	9390	15.75%
(5, <=10)	14155	23.74%
(10, <=15)	15151	25.42%
(15, <=Max)	17921	30.06%
<b>Total</b>	<b>63165</b>	<b>100%</b>



## II. Quality Details

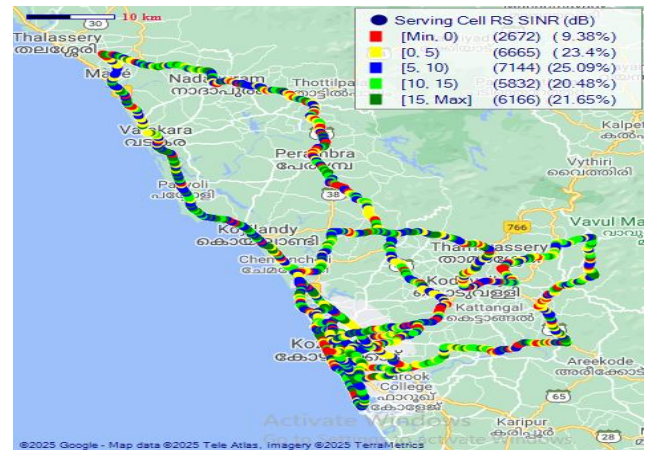
### VIL

Technology	Rx Quality %
2G	96.9
4G	90.62

### 2G



### 4G



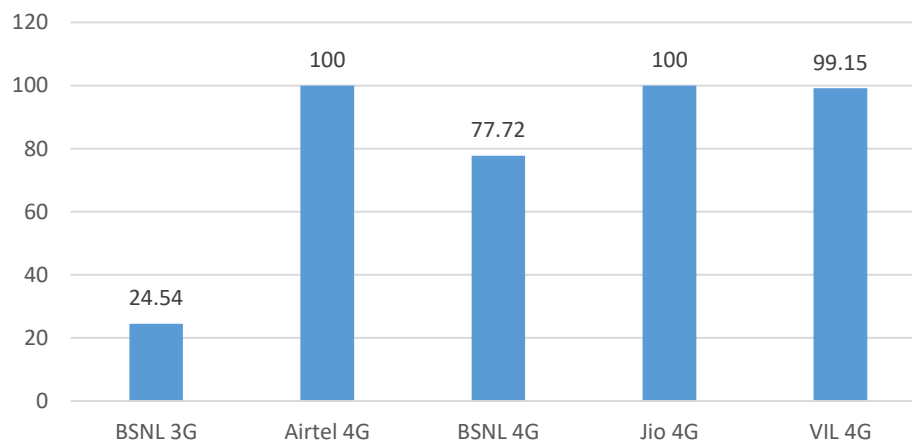
Overall Rx Quality	# Samples	% PDF
(Min, <=2)	20356	82.70%
(2, <=3)	1440	5.85%
(3, <=4)	1397	5.68%
(4, <=5)	658	2.67%
(5, <=Max)	763	3.10%
<b>Total</b>	<b>24614</b>	<b>100%</b>

Overall SINR	# Samples	% PDF
(Min, <=0)	2672	9.38%
(0, <=5)	6665	23.40%
(5, <=10)	7144	25.09%
(10, <=15)	5832	20.48%
(15, <=Max)	6166	21.65%
<b>Total</b>	<b>28479</b>	<b>100%</b>

### III. Technology Details

Technology Details	
TSP	%Time spent on 3G/4G
BSNL 3G	24.54
Airtel	100
BSNL 4G	77.72
Jio	100
VIL	99.15

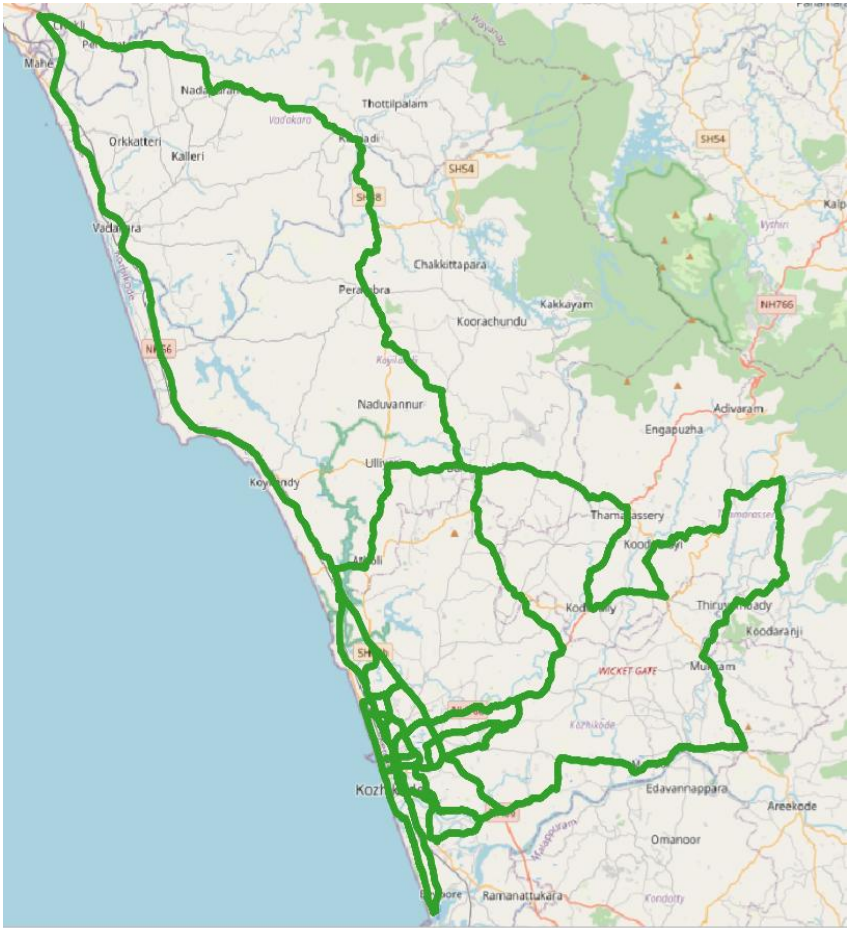
Percentage of time spent on 3G/4G/4G



### III. Technology Details

#### Airtel

Technology	Time Spent %
4G	100



Technology	
LTE	100%

### III. Technology Details

#### BSNL

Technology	Time Spent (%)
3G	24.54%
4G	77.72%

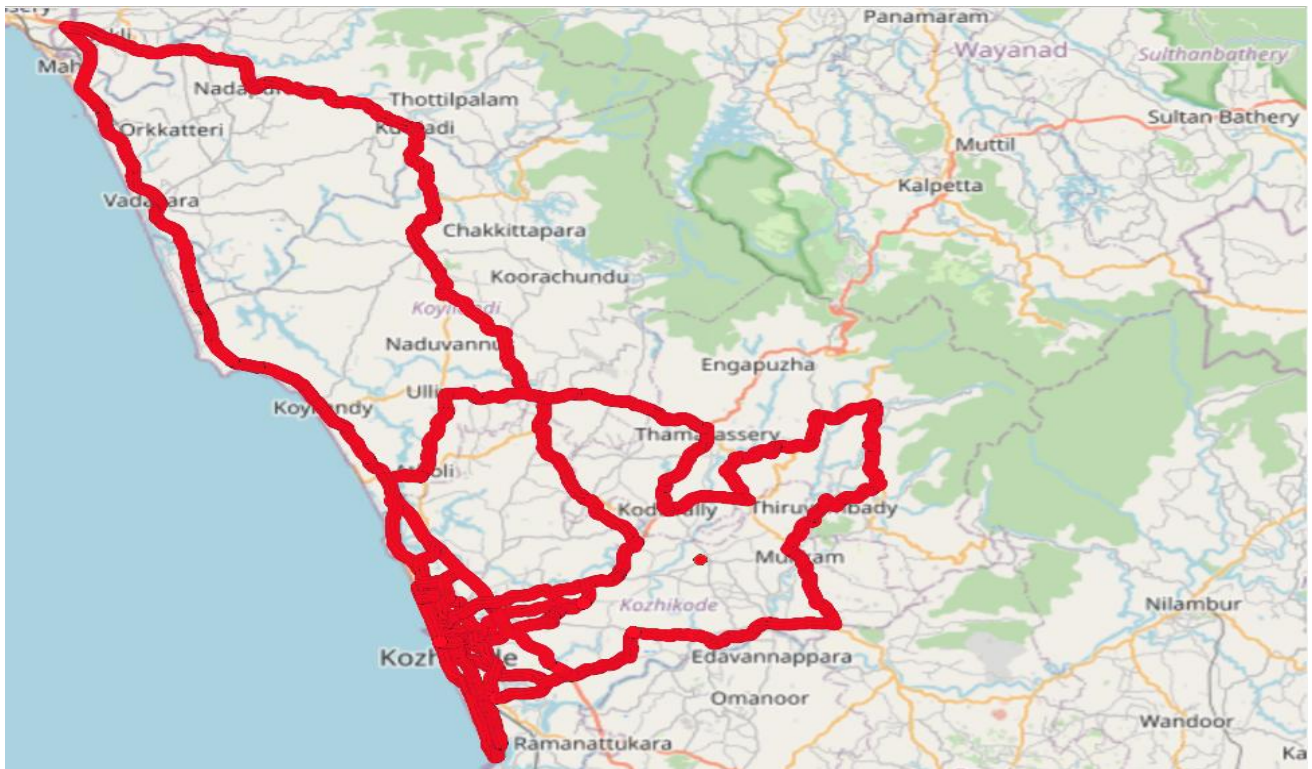




### III. Technology Details

#### JIO

Technology	Time Spent %
4G	100

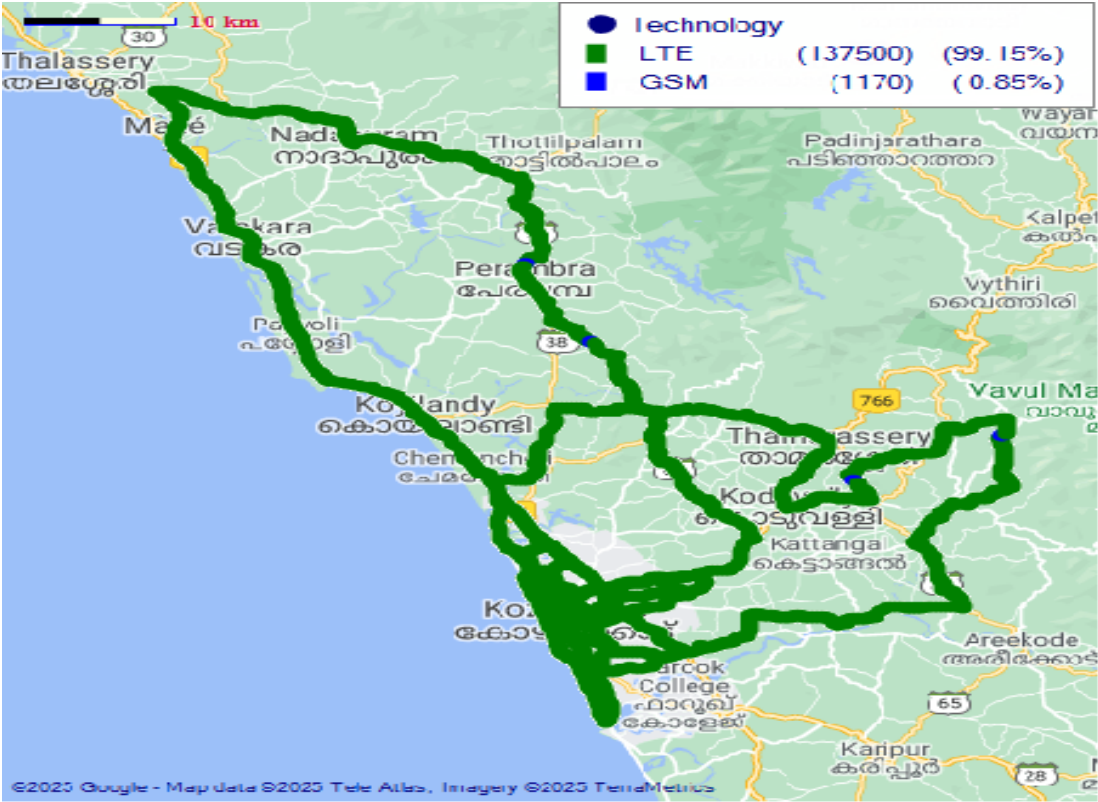




### III. Technology Details

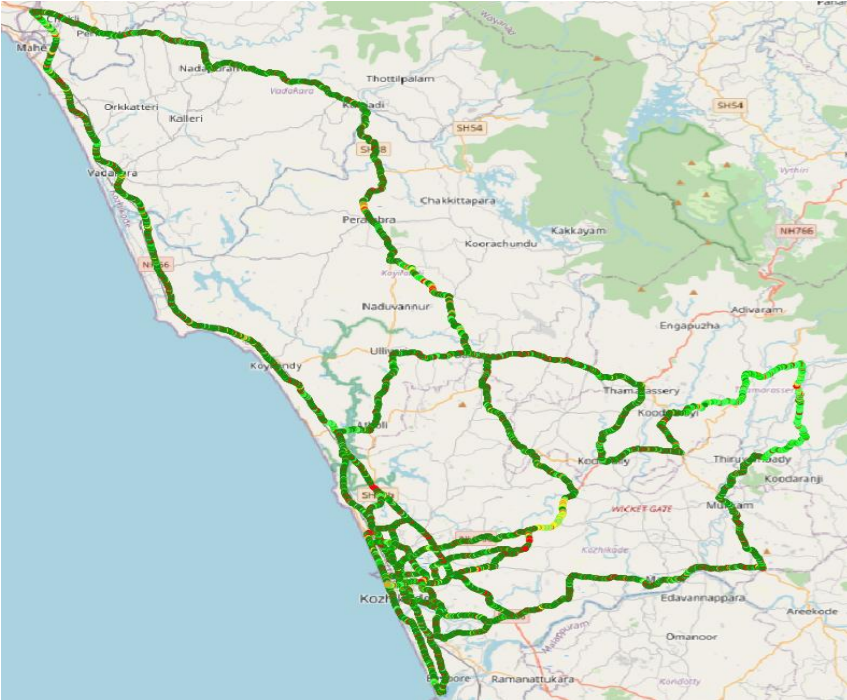
## VIL

Technology	Time Spent (%)
4G	99.15%



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

### Airtel



DL throughput	No. of Samples	%
0 to 1 Mbps	4614	9.82%
1 to 2 Mbps	845	1.80%
2 to 3 Mbps	1468	3.12%
3 to 4 Mbps	1612	3.43%
4 to 8 Mbps	4433	9.43%
8 to 12 Mbps	3918	8.34%
>12 Mbps	30106	64.06%
Total	46996	



Upload throughput	No. of samples	%
0 to 256 kbps Mbps	9617	19.83%
250 to 512 kbps	2023	4.17%
512 Kbps to 1 Mbps	3820	7.88%
1 to 2 Mbps	6533	13.47%
2 to 3 Mbps	5131	10.58%
3 to 4 Mbps	3827	7.89%
>4Mbps	17547	36.18%
Total	48498	

## IV. Dynamic Data

### Test(Data Test on Move)- 3G/4G DL/UL Details

#### BSNL



DL throughput	No. of Samples	%
0 to 1 Mbps	17413	30.86%
1 to 2 Mbps	8189	14.51%
2 to 3 Mbps	7181	12.73%
3 to 4 Mbps	6126	10.86%
4 to 8 Mbps	13877	24.59%
8 to 12 Mbps	3390	6.01%
>12 Mbps	251	0.44%
Total	56427	100%



Upload throughput	No. of samples	%
0 to 256 kbps	12131	27.15%
250 to 512 kbps	1961	4.39%
512 Kbps to 1 Mbps	3472	7.77%
1 to 2 Mbps	25598	57.29%
2 to 3 Mbps	1041	2.33%
3 to 4 Mbps	256	0.57%
>4Mbps	222	0.50%
Total	44681	100



## BSNL



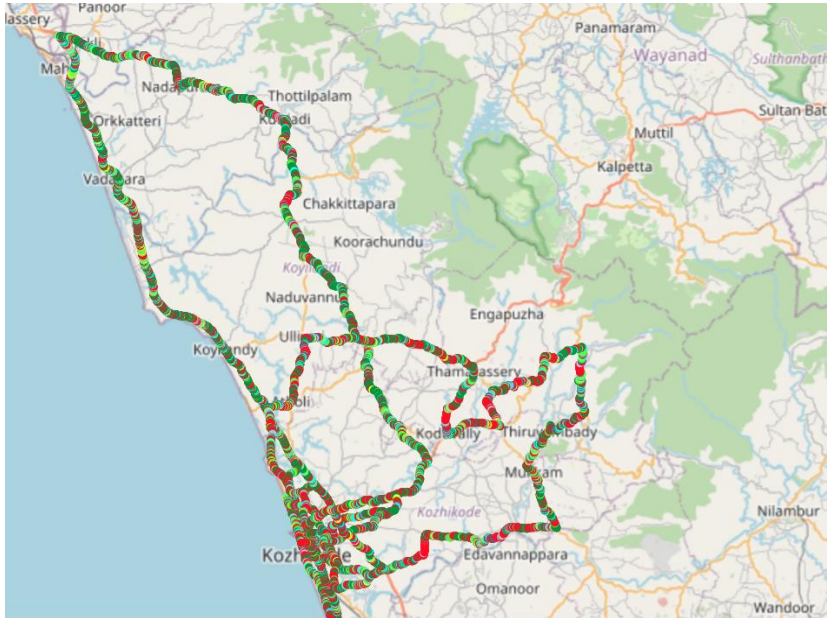
DL throughput	No. of Samples	%
0 to 1 Mbps	16606	26.68
1 to 2 Mbps	6048	9.72
2 to 3 Mbps	8182	13.15
3 to 4 Mbps	7502	12.05
4 to 8 Mbps	17550	28.20
8 to 12 Mbps	4968	7.98
>12 Mbps	1384	2.22
Total	62240	100%



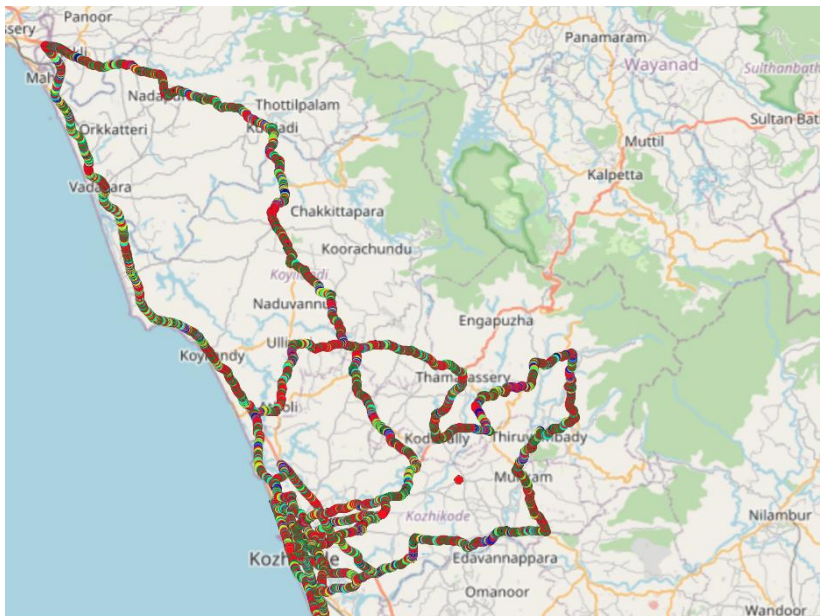
UL throughput	No. of samples	%
0 to 256 kbps	23680	52.45
250 to 512 kbps	1275	2.825
512 Kbps to 1 Mbps	2048	4.54
1 to 2 Mbps	3461	7.67
2 to 3 Mbps	2932	6.49
3 to 4 Mbps	2286	5.06
>4Mbps	9468	20.97
Total	45150	100

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

### JIO



DL throughput	No. of Samples	%
0 to 1 Mbps	8059	32.04%
1 to 2 Mbps	953	3.79%
2 to 3 Mbps	1002	3.98%
3 to 4 Mbps	899	3.57%
4 to 8 Mbps	3230	12.84%
8 to 12 Mbps	2708	10.77%
>12 Mbps	8300	33%
Total	25151	100%

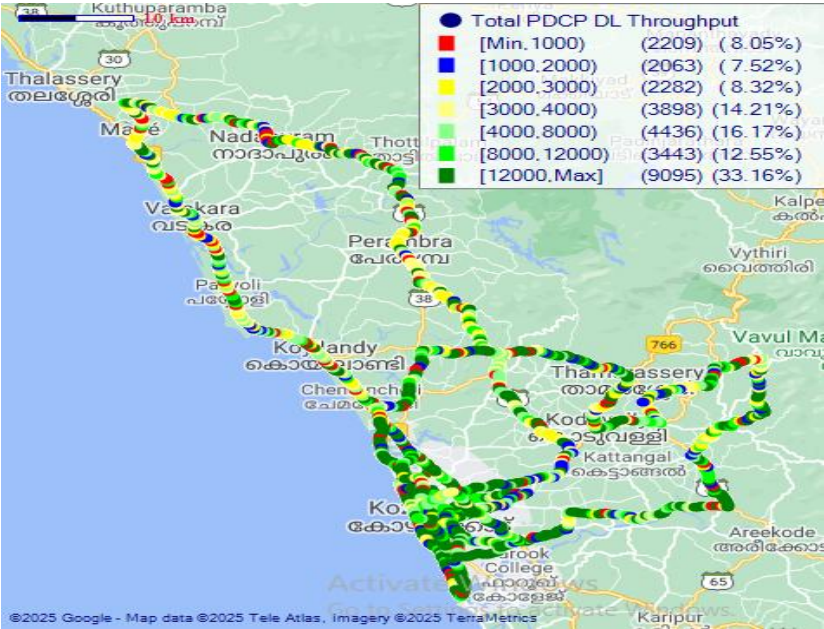


Upload throughput	No. of samples	%
0 to 256 kbps Mbps	22309	42.97%
256 to 512 kbps	1502	2.89%
512 Kbps to 1 Mbps	2213	4.26%
1 to 2 Mbps	3992	7.69%
2 to 3 Mbps	3636	7.0%
3 to 4 Mbps	3286	6.33%
>4Mbps	14984	28.86%
Total	51922	100%

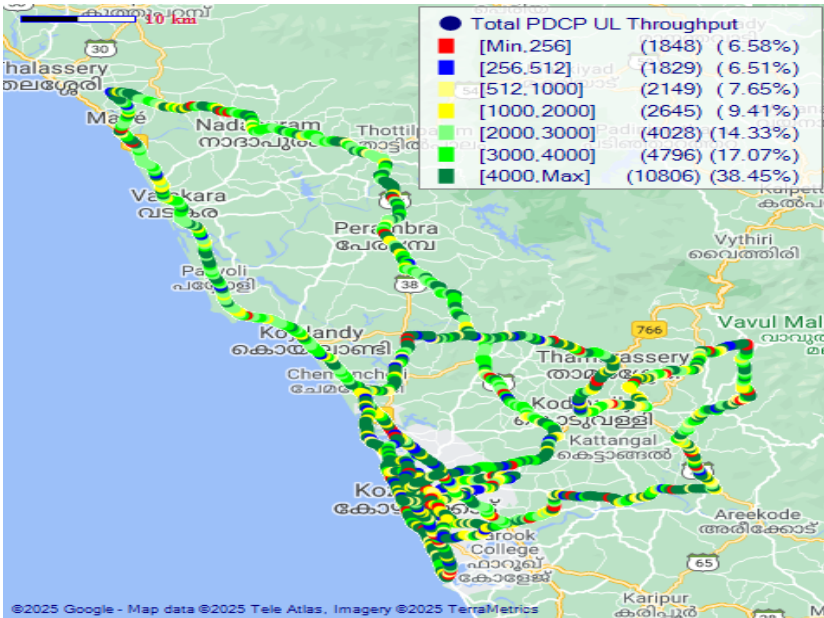


# IV. Dynamic Data Test (Data Test on Move)- 4G DL/UL Details

## VIL



DL throughput	No. of Samples	%
0 to 1 Mbps	2209	8.05%
1 to 2 Mbps	2063	7.52%
2 to 3 Mbps	2282	8.32%
3 to 4 Mbps	3898	14.21%
4 to 8 Mbps	4436	16.17%
8 to 12 Mbps	3443	12.55%
>12 Mbps	9095	33.16%
Total	27426	100%

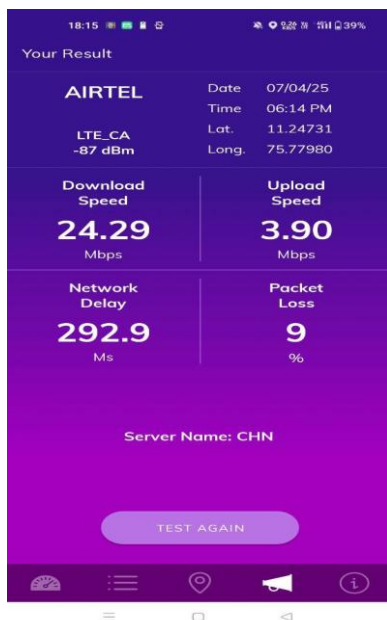


Upload throughput	No. of samples	%
0 to 256 kbps	1848	6.58%
250 to 512 kbps	1829	6.51%
512 Kbps to 1 Mbps	2149	7.65%
1 to 2 Mbps	2645	9.41%
2 to 3 Mbps	4028	14.33%
3 to 4 Mbps	4796	17.07%
>4Mbps	10806	38.45%
Total	28101	100%

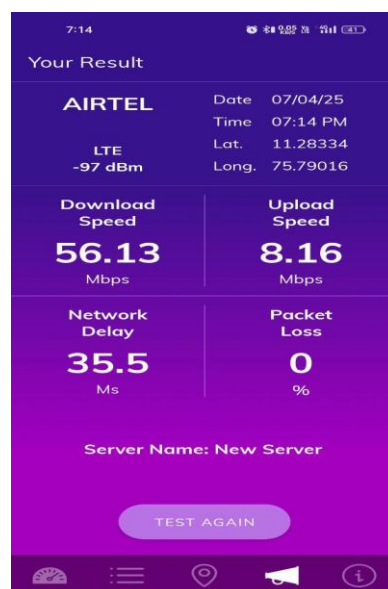
## V. TRAI My Speed App Test Details-4G

Techology-4G	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
Download Speed (Mbps)	24.29	56.13	32.95	52.35	64.25	39.14
Upload Speed (Mbps)	3.90	8.16	6.84	13.53	8.06	15.17
Latency (ms)	292.9	35.5	44.4	35	275.8	25.6

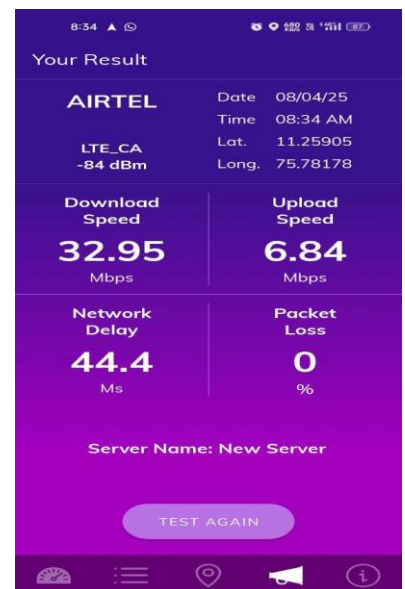
LOC 1



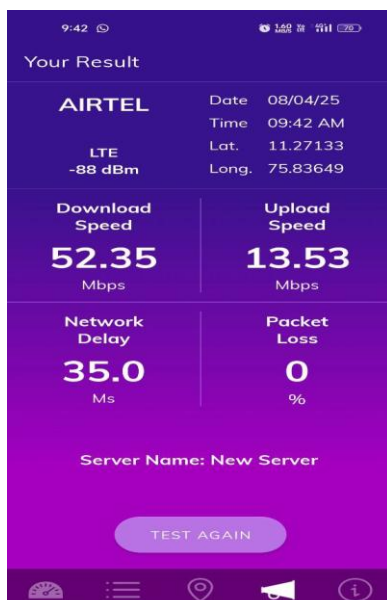
LOC 2



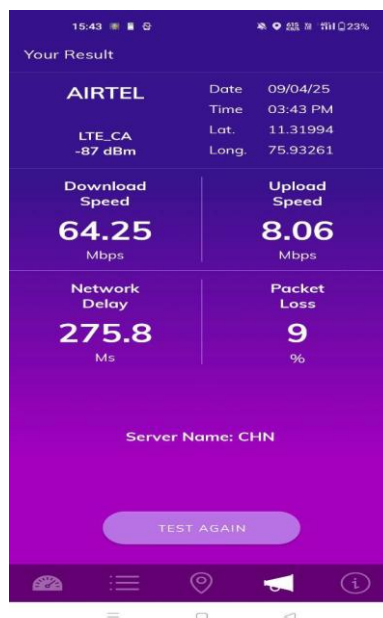
LOC 3



LOC 4



LOC 5

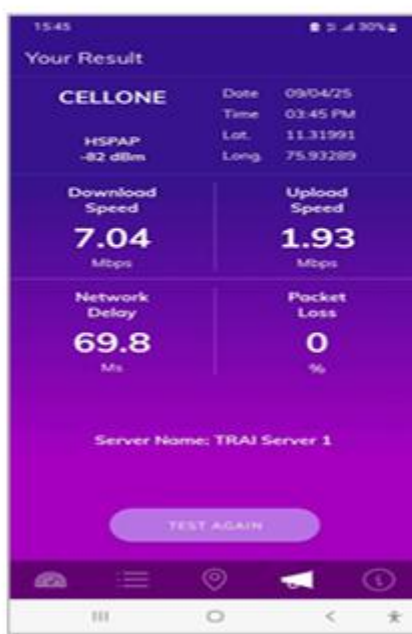
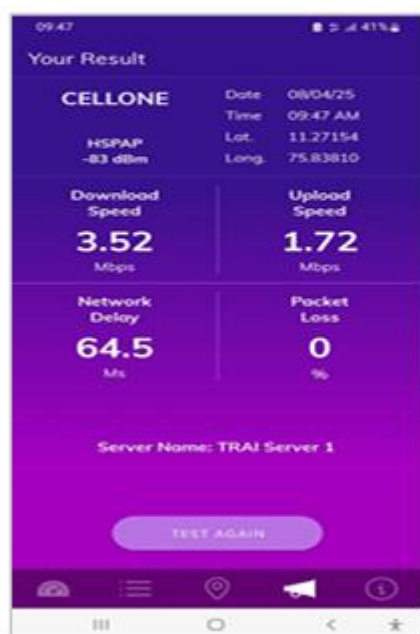
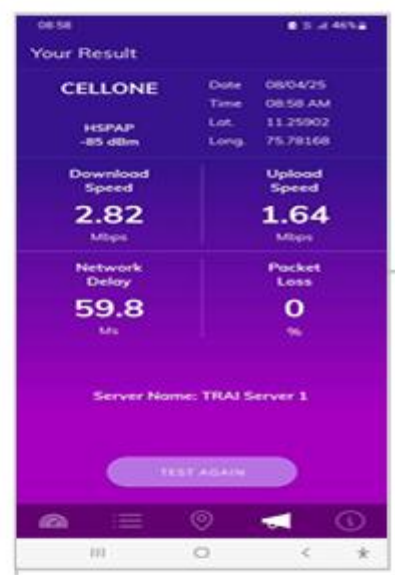


LOC 6



## V. TRAI MySpeed App Test Details-3G

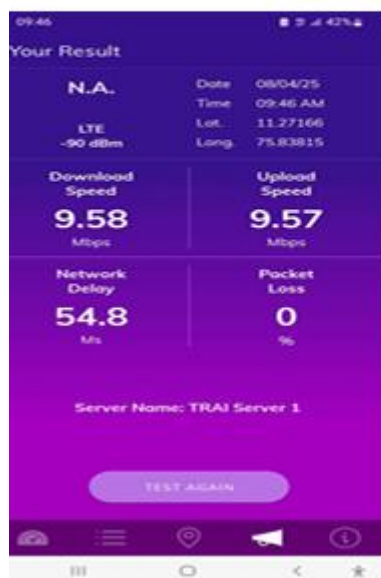
Technology-3G	Railway Station	Collectorate	KSRTC Bus stand	Medical College	NIT Calicut	Calicut Beach
Download Speed (Mbps)	1.51	3.54	2.82	3.52	7.04	5.53
Upload Speed (Mbps)	1.62	.93	1.64	1.72	1.93	1.82
Latency (ms)	55.1	68.4	59.8	64.5	69.8	55.1





## V. TRAI My Speed App Test Details- 4G

Techology-4G	Railway Station	Collectorate	KSRTC Bus stand	Medical College	NIT Calicut	Calicut Beach
Download Speed (Mbps)	1.43	6.62	2.01	9.58	6.31	7.3
Upload Speed (Mbps)	2.94	4.35	6.55	9.57	11.86	9.04
Latency (ms)	92.5	50.3	83.2	54.8	54.9	56.3



# V. TRAI My Speed App Test Details-4G

Techology-4G/VoLTE	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
Download Speed	29.18	44.24	47.12	50.60	27.61	39.84
Upload Speed	9.21	13.15	7.38	22.59	8.63	10.38
Latency	45.9	32.0	65.4	36.3	34.8	38.6

LOC 1

LOC 2

LOC 3

Railway station,Kozhikode	Civil station, Kozhikode	KSRTC Bus Stand ,Kozhikode
<p>12:02 5G LTE</p> <p>Your Result</p> <p><b>JIO</b> Date: 07/04/25 Time: 07:04 PM LTE_CA Lat: 11.24792 -73 dBm Long: 75.77941</p> <p>Download Speed: <b>29.18</b> Mbps Upload Speed: <b>9.21</b> Mbps Network Delay: <b>45.9</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: Nagpur</p> <p>TEST AGAIN</p>	<p>20:19 5G LTE</p> <p>Your Result</p> <p><b>N.A.</b> Date: 07/04/25 Time: 08:19 PM LTE_CA Lat: 11.28473 -65 dBm Long: 75.79167</p> <p>Download Speed: <b>44.24</b> Mbps Upload Speed: <b>13.15</b> Mbps Network Delay: <b>32.0</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: TRAI Server 1</p> <p>TEST AGAIN</p>	<p>12:00 5G LTE</p> <p>Your Result</p> <p><b>JIO</b> Date: 08/04/25 Time: 08:37 AM LTE Lat: 11.25904 -54 dBm Long: 75.78279</p> <p>Download Speed: <b>47.12</b> Mbps Upload Speed: <b>7.38</b> Mbps Network Delay: <b>65.4</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: Nagpur</p> <p>TEST AGAIN</p>

Govt. Medical college,Kozhikode	NIT,Kozhikode	Kozhikode Beach
<p>09:33 5G LTE</p> <p>Your Result</p> <p><b>JIO</b> Date: 08/04/25 Time: 09:33 AM LTE_CA Lat: 11.27493 -60 dBm Long: 75.83676</p> <p>Download Speed: <b>50.60</b> Mbps Upload Speed: <b>22.59</b> Mbps Network Delay: <b>36.3</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: Nagpur</p> <p>TEST AGAIN</p>	<p>15:50 5G LTE</p> <p>Your Result</p> <p><b>JIO</b> Date: 09/04/25 Time: 04:22 PM LTE_CA Lat: 11.32092 -77 dBm Long: 75.93100</p> <p>Download Speed: <b>27.61</b> Mbps Upload Speed: <b>8.63</b> Mbps Network Delay: <b>34.8</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: Nagpur</p> <p>TEST AGAIN</p>	<p>15:42 5G LTE</p> <p>Your Result</p> <p><b>JIO</b> Date: 09/04/25 Time: 05:25 PM LTE Lat: 11.25343 -56 dBm Long: 75.77079</p> <p>Download Speed: <b>39.84</b> Mbps Upload Speed: <b>10.38</b> Mbps Network Delay: <b>38.6</b> Ms Packet Loss: <b>0</b> %</p> <p>Server Name: Nagpur</p> <p>TEST AGAIN</p>

LOC 4

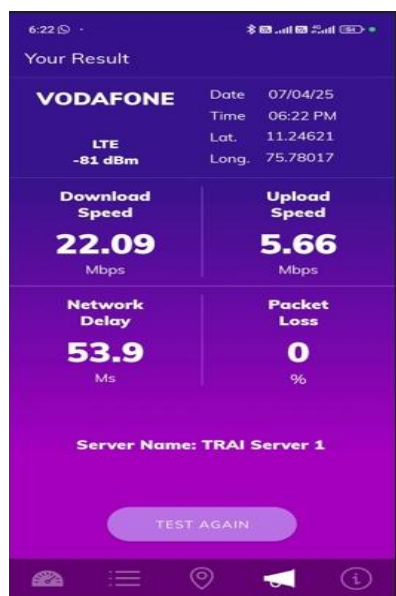
LOC 5

LOC 6

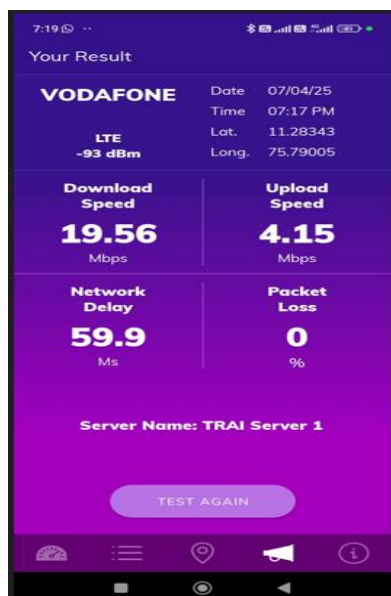
# V. TRAI My Speed App Test Details-4G

Techology-4G	Location 1	Location 2	Location 3	Location 4	Location 5	Location 6
Download Speed (Mbps)	22.09	19.56	13.21	16.22	32.14	16.61
Upload Speed (Mbps)	5.66	4.15	0.97	3.83	7.64	13.72
Latency (ms)	53.9	59.9	47.9	54.3	76.7	72.5

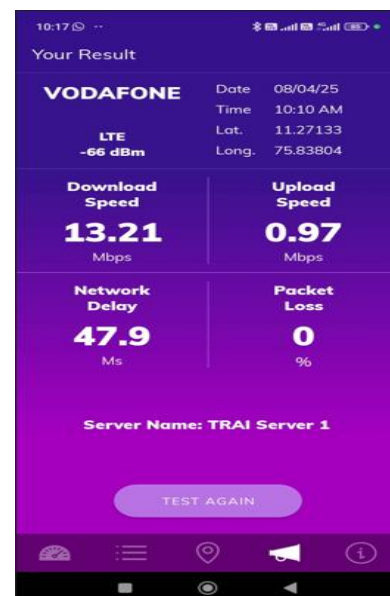
LOC 1



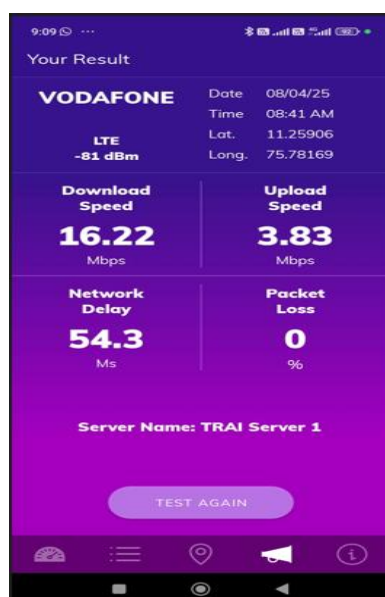
LOC 2



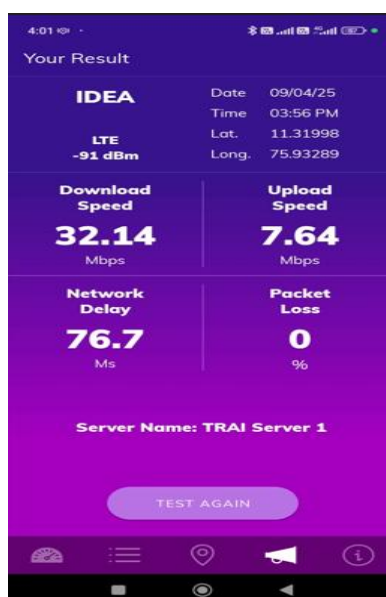
LOC 3



LOC 4



LOC 5



LOC 6

