



Operator Assisted Drive Test Report

Rajkot Feb. 2022

(RO, Jaipur)

Key Performance Indicators: All TSPs have met the Drop Call Rate (DCR) benchmark of 2%. All TSPs have met the Call Setup Success Rate (CSSR) of 95%.

TRAI Regional Office, Jaipur as directed by TRAI HQ has got conducted the operator assisted drive test with the help of Telecom Service Providers of Gujarat LSA in Rajkot City and surrounding areas Gondal, Padadhari SDCAs of Rajkot SSA during 15th to 18th Feb 2022. The drive test covered drive route of 420 KMs & 7 hotspots over a period of 4 days. Approximately 500+ calls were made for each of the 7 networks: three 2G networks, one 3G network and three LTE network covering four TSPs. The drive test reports were generated through TSPs tools and was compiled by the TRAI RO Jaipur.

Overview

Voice
Summary

Data
Summary

Overview

Regional Office, TRAI Jaipur got conducted Operator Assisted Drive Test from **15th to 18th Feb 2022** covering various locations in Rajkot City & surrounding areas **Gondal, Padadhari** SDCAs of Rajkot SSA. The performance of Airtel, BSNL, Vodafone Idea and Jio were monitored across various technologies (2G, 3G and 4G) by TSP's themselves through their own test kits. The TSP's reports obtained from these drive tests were complied to assess the network quality for Voice and Data services in terms of following

Voice: Coverage, Quality, Handover 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 400 + KMs over a period of 4 days from **15th to 18th Feb 2022**. Approximately 500 + calls were made for each of the 7 networks: three 2G (Lock Mode) networks, one 3G (Dual mode) networks and three VoLTE network covering 4 unique TSPs.

Data Tests:

1. Dynamic data test was conducted for download throughput for 3G & 4G technologies.

2. Data Tests were performed at 7 static locations for 2G, 3G & 4G technologies. Also screenshots of TRAI MYSPEED APP was taken by TSPs at 7 static locations were attached at Annex V.

* For Voice and Data KPI's, 2G measurement is done with UE locked mode, 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.

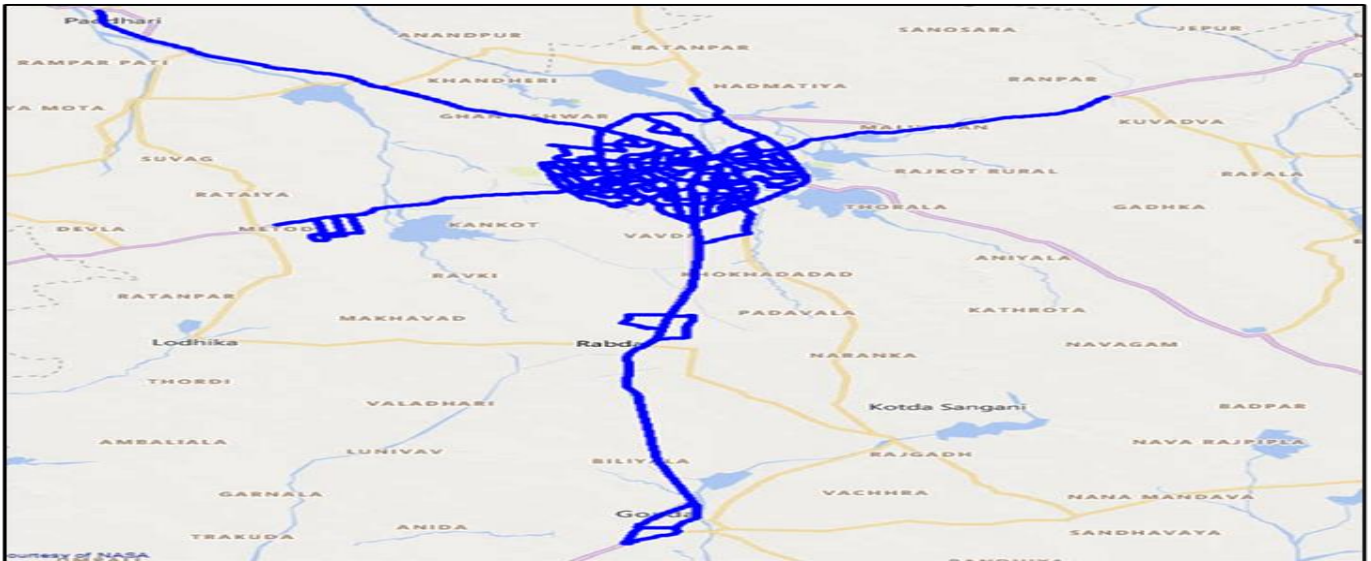
* 4G KPI's which are calculated from the UE in Free Mode included samples and events of 2G & 3G.

| 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 |

Overview

Voice & Dynamic Data Test Drive Route

| Day Wise Voice and Data Drive route Details | | | |
|---|---|---|--------------|
| Date | Drive Cat | Area Covered | Kms Approx. |
| 15-02-2022 | Voice Dynamic (2G, 3G, 4G) | Starting Point : Bahumali Bhavan at 9:30AM : Jubilee Circle, Dr. Yagnik Road, Mahila College Chowk, Indira Circle, Mavdi Chowk, Mavdi, Nana Mava, Kotecha Nagar, Laxmi Nagar, Chandresh Park, Karan Park, Gondal Chowkdi, Kothariya, Sapar GIDC, Gondal Town. | 130 |
| 16-02-2022 | Voice Dynamic (2G, 3G, 4G) | Starting Point : Kishan Para Chowk at 9:30AM : Raiya, Indian Park, Suncity, Yogi Nagar, Sadguru Nagar, Ravi Park Society, Kalawad Road, Metoda GIDC, Gandhigram, Bajrangwadi, Bhomeshwar Plot, Chotu Nagar, Sakhiya Nagar, Madhapar Circle, Padadhari Town | 130 |
| 17-02-2022 | Voice Dynamic (2G, 3G, 4G) | Starting Point : Jam Tower at 9:30AM : Junction Plot, Railnagar, Madhapar Circle, Bedi ByPass, Marwadi University, Greenland Chowk, Kuvadava, Patel Nagar, Ranchhod Nagar, Dana Pith, Diwan Para, Karan Para, Laxmiwadi, Sorathiyawadi, Gopal Nagar, Anand Nagar, Meghani Nagar, Hudco Chowkdi, Aji Vasahat, Ambedkar Nagar, Aji Industrial, Shakti Industrial Zone, Arya Nagar | 130 |
| 18-02-2022 | Data Static & Dynamic (2G, 3G, 4G) - Hotspots | Starting Point at Railway Station at 9:30AM, CP Bungalow near Race Course, Central Bus Deopt, Big Bazaar, Crystal Mall and Dynamic Data Testing between them. BAPS Swaminarayan Temple at Gondal (15-02-2022) and Civil Hospital Padadhari (16-02-2022) | 30-40 Approx |



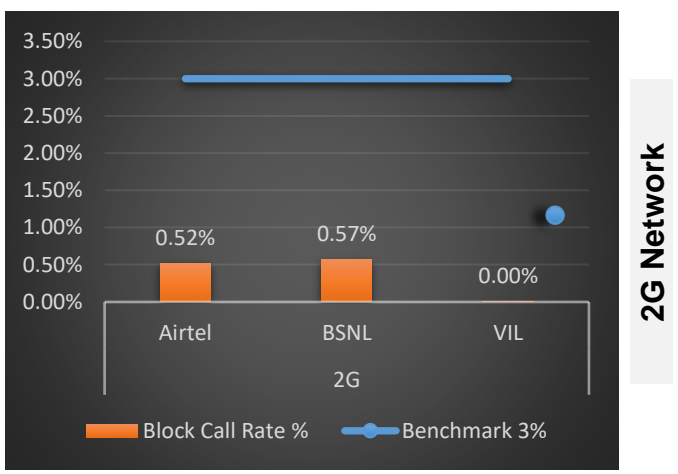
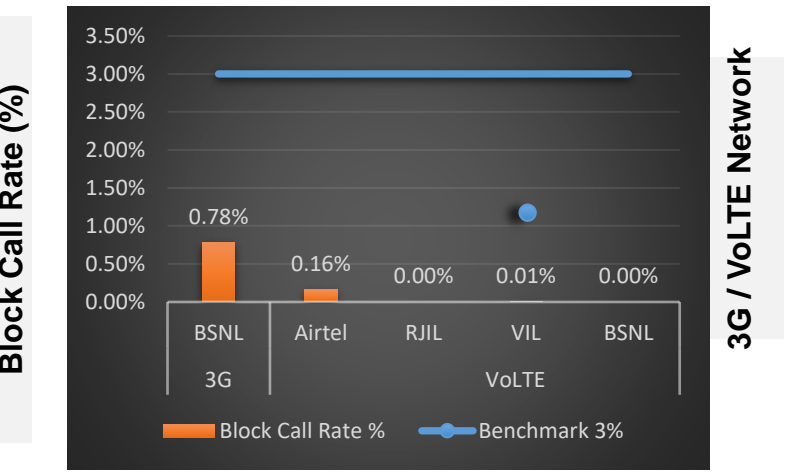
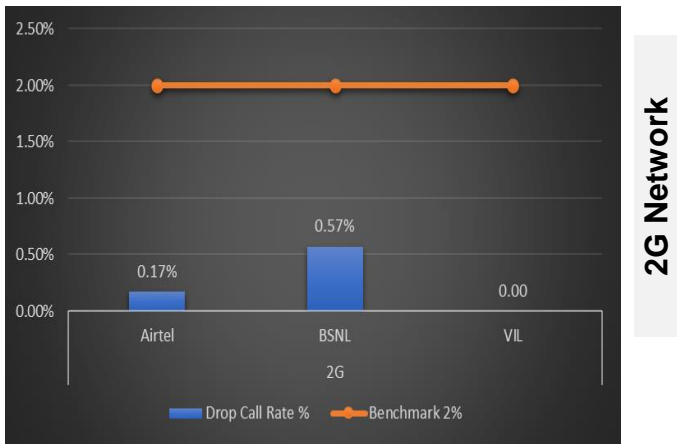
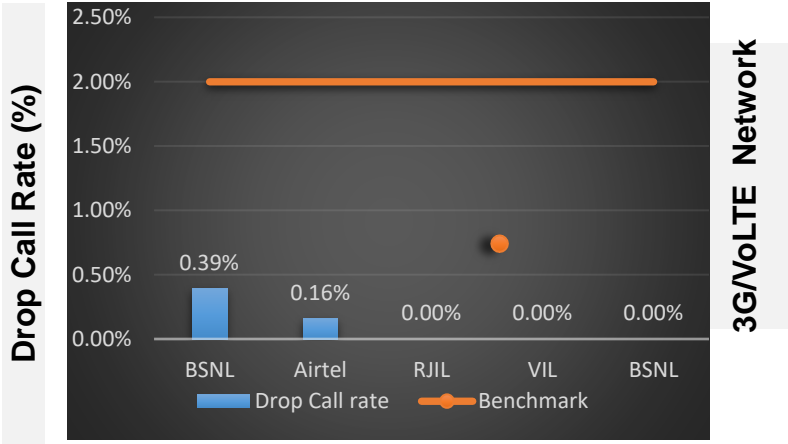
Data Service Test- Static Locations

| S.No. | Static data Location Name | Area |
|-------|----------------------------|-----------|
| 1 | Railway Station,Rajkot | Rajkot |
| 2 | C.P. Bunglow,Rajkot | Rajkot |
| 3 | Bus Station,Rajkot | Rajkot |
| 4 | Big Bazar,Rajkot | Rajkot |
| 5 | Crystal Mall,Rajkot | Rajkot |
| 6 | Swaminarayan Temple-Gondal | Gondal |
| 7 | CHC hospital-Padadhari | Padadhari |

Voice Calls

Key Observations

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



| KPIs | 2G | | | 3G | VoLTE | | | |
|-------------------|--------|-------|-------|-------|--------|-------|-------|---------------|
| | Airtel | BSNL | VIL | BSNL | Airtel | RJIL | VIL | BSNL (Gondal) |
| Drop Call Rate % | 0.17% | 0.57% | 0.00% | 0.39% | 0.16% | 0.00% | 0.00% | 0.00% |
| Block Call Rate % | 0.52% | 0.57% | 0.00% | 0.78% | 0.16% | 0.00% | 0.01% | 0.00% |

- a) All TSPs have met the 2% QOS benchmark of Drop Call Rate (DCR%)
- b) Call Block Rate (CBR%) benchmark of 3% was achieved by all TSP's.

Voice Calls

Key Observations

Coverage

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

| TSPs | 2G | | |
|------------|--------------|--------------|--------------|
| | Airtel | BSNL | VIL |
| Coverage % | 98.41 | 90.49 | 95.24 |

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

| TSPs | 3G | VoLTE | | | |
|------------|--------------|--------------|--------------|--------------|---------------|
| | BSNL | Airtel | JIO | VIL | BSNL (Gondal) |
| Coverage % | 76.39 | 99.79 | 99.93 | 99.01 | 94.23 |

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

| TSPs | 3G | VoLTE | | | |
|-----------------------|-------------|------------|------------|-------------|---------------|
| | BSNL | Airtel | JIO | VIL | BSNL (Gondal) |
| Time Spent on 3G/4G % | 94.9 | 100 | 100 | 99.8 | 99.48 |

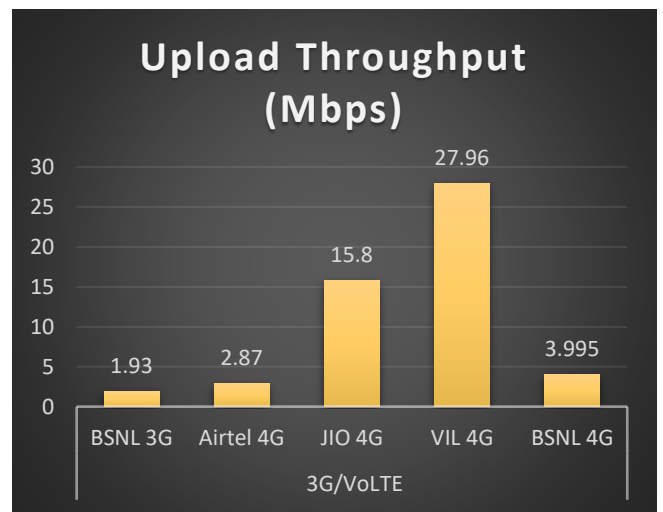
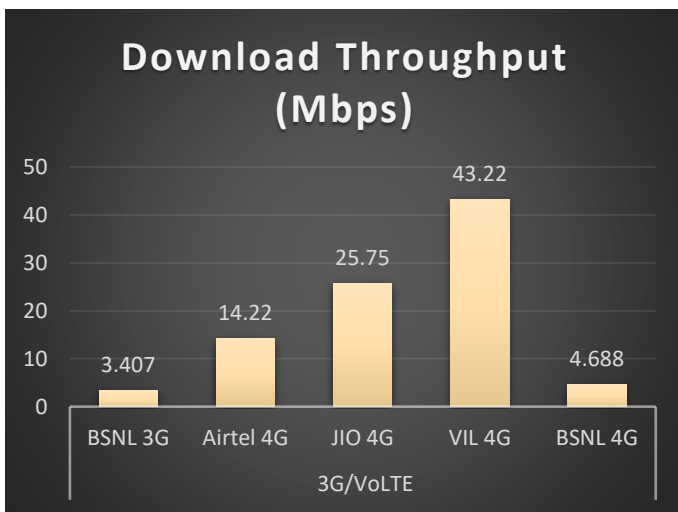
Data Services Static

Key Observations

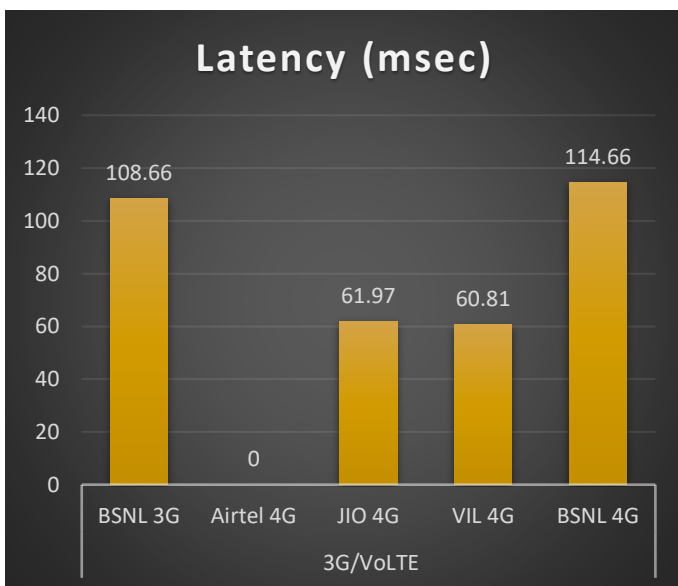
Data was tested at 7 locations .Following services were tested: Data Download/Upload, Latency (www.google.com), and Web browsing (Flipkart, Amazon, PayTm)

Data Download and Upload Performance Static (Mbps)

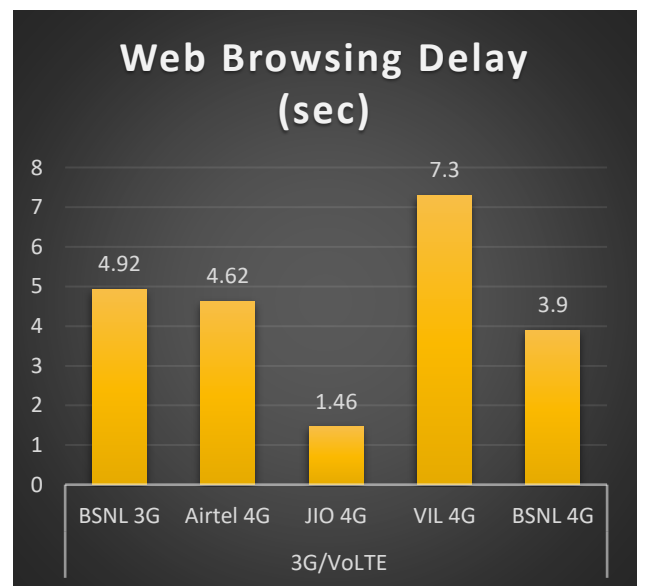
3G/4G/ Network:



Latency (ms)



Web Browsing (Sec)



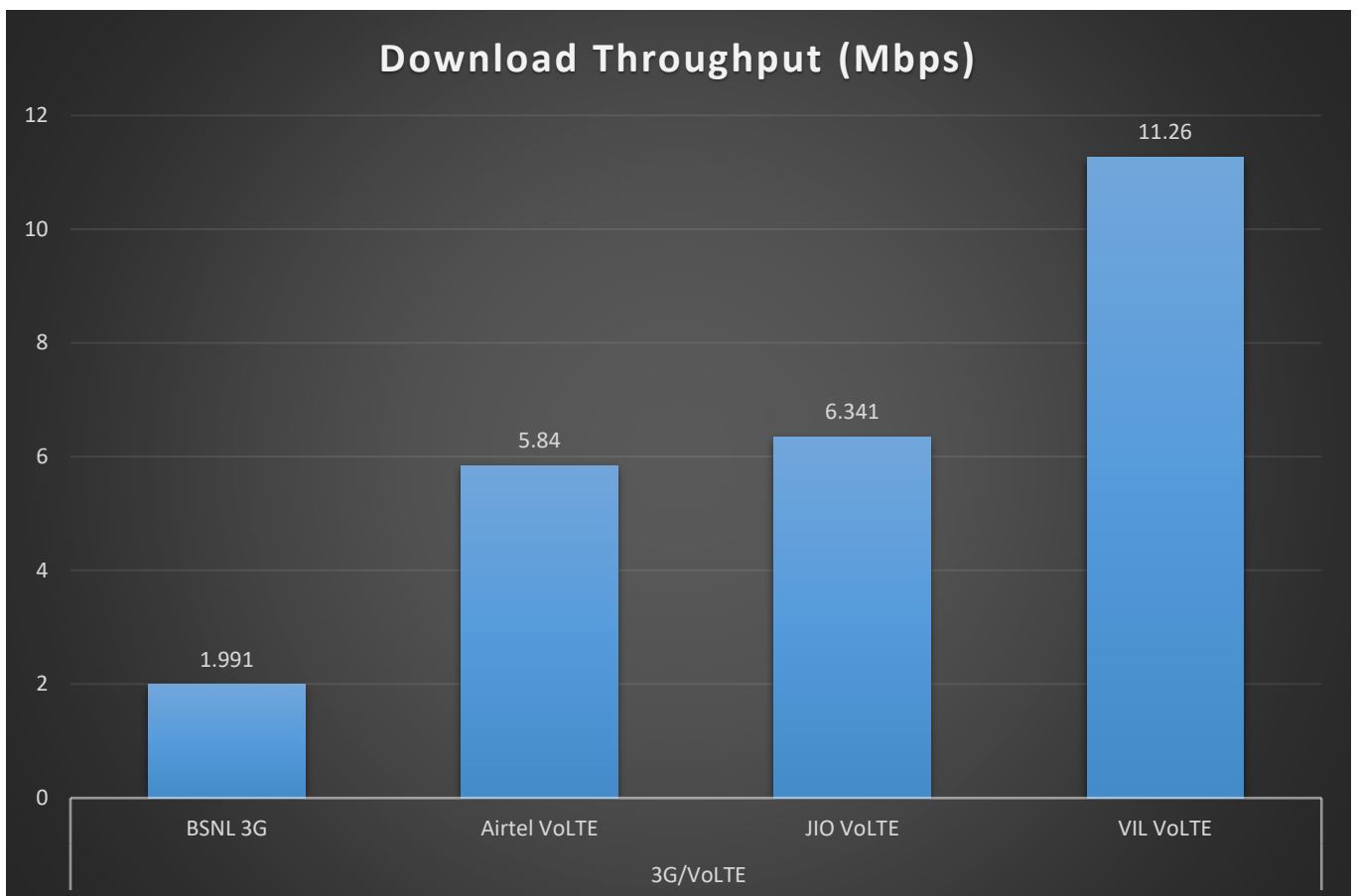
Data Services Dynamic

Key Observations

Dynamic Data was tested for 35 Kms. Download Throughput was tested.

Data Download Performance (kbps) - Dynamic

3G/4G/ Network:



Summary

City Level Summary-Voice

| Voice Call | 2G | | |
|-----------------------|--------|-------|-------|
| | Airtel | BSNL | VIL |
| Call Attempt | 582 | 528 | 647 |
| Blocked Call Rate (%) | 0.52 | 0.57 | 0 |
| CSSR% (Accessibility) | 99.48 | 99.43 | 100 |
| Drop Call Rate (%) | 0.17 | 0.57 | 0 |
| Mobility HOSR (%) | 97.57 | 96.37 | 98.1 |
| Rx Quality (%) | 92.74 | 97.94 | 92.53 |

| Voice Call | 3G/4G | | | | |
|-----------------------|---------|--------------|-----------|-----------|------------------|
| | BSNL 3G | Airtel VoLTE | JIO VoLTE | VIL VoLTE | BSNL 4G (Gondal) |
| Call Attempt | 514 | 608 | 660 | 659 | 16 |
| Blocked Call Rate (%) | 0.78 | 0.16 | 0 | 0 | 0 |
| CSSR% (Accessibility) | 99.22 | 99.84 | 100 | 100 | 100 |
| Drop Call Rate (%) | 0.39 | 0.16 | 0 | 0 | 0 |
| Mobility HOSR (%) | 96.51 | 99.61 | 99.72 | 99.85 | 100 |
| Rx Quality (%) | 97.6 | 77 | 90.06 | 77.34 | 95.92 |

Summary

City Level Summary- Data Services

| Data Services Static | 2G | | |
|----------------------------|--------|--------|--------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 147.4 | 111.89 | 130.04 |
| Upload Throughput (kbps) | 35.86 | 73.59 | 52.75 |
| Web Browsing Delay (sec) | 30.15 | 12.96 | 31.41 |
| Latency (msec) | 327.24 | 248.77 | 336.65 |

| Data Services Static | 3G/4G | | | | |
|-----------------------------|---------|-----------|--------|--------|----------------|
| | BSNL 3G | Airtel 4G | JIO 4G | VIL 4G | BSNL Gondal 4G |
| Download Throughput (Mbps) | 3.407 | 14.22 | 25.75 | 43.22 | 4.688 |
| Upload Throughput (Mbps) | 1.93 | 2.87 | 15.8 | 27.96 | 3.995 |
| Video Streaming Delay (sec) | 4.33 | NA | 0.35 | 0.007 | 1.23 |
| Web Browsing Delay (sec) | 4.92 | 4.62 | 1.46 | 7.3 | 3.90 |
| Latency (msec) | 108.66 | NA | 61.97 | 60.81 | 114.66 |

| Data Services Dynamic | 3G/4G | | | |
|----------------------------|---------|-----------|--------|--------|
| | BSNL 3G | Airtel 4G | JIO 4G | VIL 4G |
| Download Throughput (Mbps) | 1.991 | 5.84 | 6.341 | 11.26 |

| Swaminarayan Temple-Gondal | 2G | | |
|-----------------------------------|--------|--------|------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 229.9 | 105.92 | 220 |
| Upload Throughput (kbps) | 36.1 | 63.02 | 270 |
| Web Browsing Delay (sec) | 27.35 | 12.98 | 27.5 |
| Latency (msec) | 351 | 183 | 365 |

| CHC hospital-Padadhari | 2G | | |
|-------------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 86 | 53.39 | 160.1 |
| Upload Throughput (kbps) | 39.4 | 34.13 | 53.74 |
| Web Browsing Delay (sec) | 28.64 | 13.91 | 27.02 |
| Latency (msec) | 344.33 | 676.33 | 275.8 |

| Railway Station, Rajkot | 2G | | |
|--------------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 149 | 86.13 | 117.6 |
| Upload Throughput (kbps) | 39 | 159.74 | 108.2 |
| Web Browsing Delay (sec) | 26.66 | 12.89 | 28.09 |
| Latency (msec) | 294.67 | 166.66 | 342.4 |

| Crystal Mall, Rajkot | 2G | | |
|-----------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 173 | 78.13 | 44.13 |
| Upload Throughput (kbps) | 33 | 63.85 | 33.99 |
| Web Browsing Delay (sec) | 30.47 | 12.87 | 41.94 |
| Latency (msec) | 222.67 | 164.33 | 326.8 |

| <u>Big Bazar, Rajkot</u> | 2G | | |
|---------------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 133 | 161.65 | 78.44 |
| Upload Throughput (kbps) | 29 | 61.44 | 30.02 |
| Web Browsing Delay (sec) | 28.99 | 12.66 | 36.96 |
| Latency (msec) | 272.67 | 200.33 | 388 |

| <u>C.P. Bunglow,Rajkot</u> | 2G | | |
|-----------------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 103 | 141.59 | 224.6 |
| Upload Throughput (kbps) | 41 | 58.59 | 43.98 |
| Web Browsing Delay (sec) | 41.31 | 13.08 | 28 |
| Latency (msec) | 478 | 198.33 | 329 |

| <u>Bus Station,Rajkot</u> | 2G | | |
|----------------------------------|--------|--------|-------|
| | Airtel | BSNL | VIL |
| Download Throughput (kbps) | 158 | 156.42 | 155.4 |
| Upload Throughput (kbps) | 34 | 74.41 | 46.59 |
| Web Browsing Delay (sec) | 27.62 | 12.38 | 30.42 |
| Latency (msec) | 327.33 | 149.66 | 329.6 |

Data Services static

City Level Summary(contd.)

| Swaminarayan Temple-Gondal | 4G | | | |
|-----------------------------------|--------|--------|-------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 4.688 | 39.35 | 47.2 | 57.87 |
| Upload Throughput (Mbps) | 3.995 | 28.29 | 19.6 | 41.29 |
| Video Streaming Delay (sec) | 1.23 | NA | 0.355 | 0.01 |
| Web Browsing Delay (sec) | 3.9 | 4.63 | 1.76 | 4.41 |
| Latency (msec) | 114.66 | 86.33 | 71.4 | 57.8 |

| CHC hospital-Padadhari | 3G | 4G | | |
|-------------------------------|--------|--------|-------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 0.59 | 12.7 | 16 | 50.94 |
| Upload Throughput (Mbps) | 2.65 | 29.68 | 18 | 29.37 |
| Video Streaming Delay (sec) | 1.26 | NA | 0.204 | 0.01 |
| Web Browsing Delay (sec) | 4.47 | 5.2 | 1.35 | 4.27 |
| Latency (msec) | 161.33 | 93.67 | 49 | 59.33 |

| Railway Station, Rajkot | 3G | 4G | | |
|--------------------------------|-------|--------|-------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 3.65 | 5.77 | 29.5 | 43.47 |
| Upload Throughput (Mbps) | 2.19 | 3.46 | 16.7 | 7.19 |
| Video Streaming Delay (sec) | 7.11 | NA | 0.265 | 0.01 |
| Web Browsing Delay (sec) | 3.51 | 5.2 | 1.63 | 4.55 |
| Latency (msec) | 65.33 | 93.7 | 70.6 | 65.8 |

Data Services static

City Level Summary(contd.)

| Crystal Mall,Rajkot | 3G | 4G | | |
|-----------------------------|-------|--------|------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 4.11 | 10.87 | 18.9 | 43.43 |
| Upload Throughput (Mbps) | 1.58 | 2.56 | 10.6 | 21.32 |
| Video Streaming Delay (sec) | 4.27 | NA | 0.26 | 0 |
| Web Browsing Delay (sec) | 5.29 | 4.6 | 1.46 | 8.69 |
| Latency (msec) | 58.66 | 91.7 | 66 | 62.33 |

| Big Bazar, Rajkot | 3G | 4G | | |
|-----------------------------|-------|--------|------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 6.76 | 9.76 | 31.1 | 51.2 |
| Upload Throughput (Mbps) | 1.89 | 2.93 | 13.7 | 32.55 |
| Video Streaming Delay (sec) | 1.19 | NA | 0.33 | 0.01 |
| Web Browsing Delay (sec) | 5.6 | 4.7 | 1.31 | 9.46 |
| Latency (msec) | 185.0 | 69.7 | 51.6 | 57.8 |

Data Services static

City Level Summary(contd.)

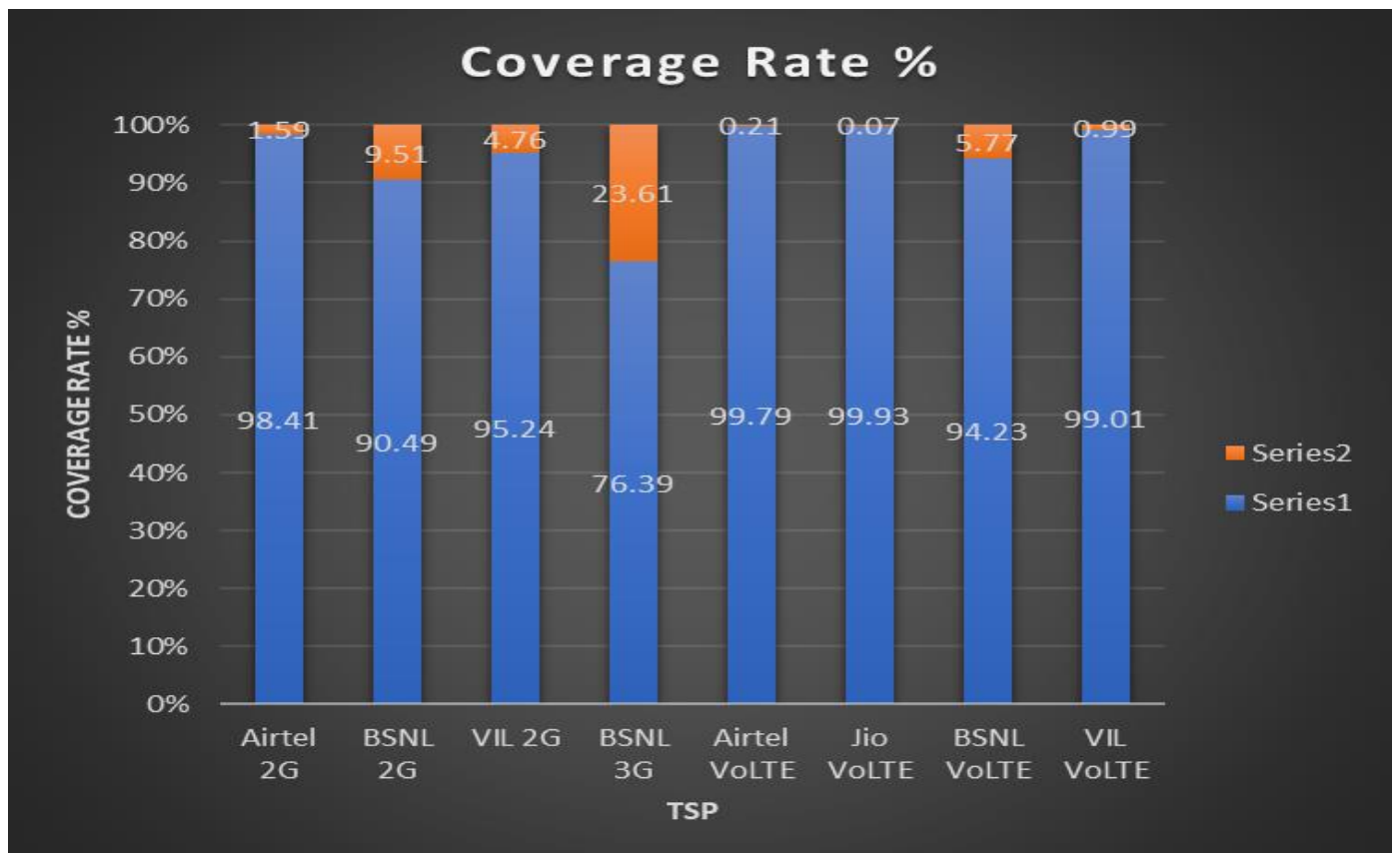
| <u>C.P. Bungalow,Rajkot</u> | 3G | 4G | | |
|------------------------------------|------|--------|-------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 2.1 | 14.06 | 21.9 | 21.15 |
| Upload Throughput (Mbps) | 1.72 | 3 | 13.7 | 34.34 |
| Video Streaming Delay (sec) | 7.97 | NA | 0.427 | 0.01 |
| Web Browsing Delay (sec) | 5.54 | 4.3 | 1.28 | 5.52 |
| Latency (msec) | 129 | 81 | 70.2 | 61.86 |

| <u>Bus Station,Rajkot</u> | 3G | 4G | | |
|----------------------------------|-------|--------|------|-------|
| | BSNL | Airtel | JIO | VIL |
| Download Throughput (Mbps) | 3.22 | 7.02 | 15.6 | 33.07 |
| Upload Throughput (Mbps) | 1.54 | 2.28 | 18.3 | 23.58 |
| Video Streaming Delay (sec) | 4.2 | NA | 0.62 | 0 |
| Web Browsing Delay (sec) | 5.11 | 4.5 | 1.49 | 7.16 |
| Latency (msec) | 52.66 | 86 | 55 | 60.8 |

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 | 98.41 |
| BSNL 2G | 90.49 |
| VIL 2G | 95.24 |
| BSNL 3G | 76.39 |
| Airtel VoLTE | 99.79 |
| Jio VoLTE | 99.93 |
| BSNL VoLTE | 94.23 |
| VIL VoLTE | 99.01 |

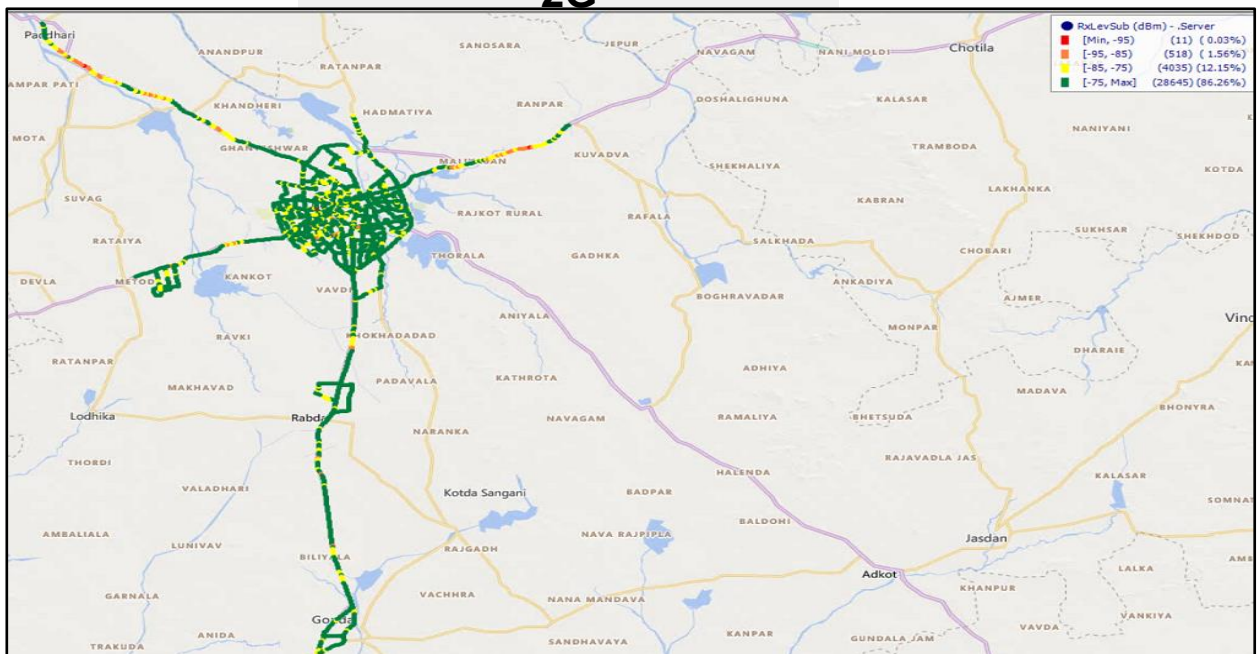


I. Coverage Details

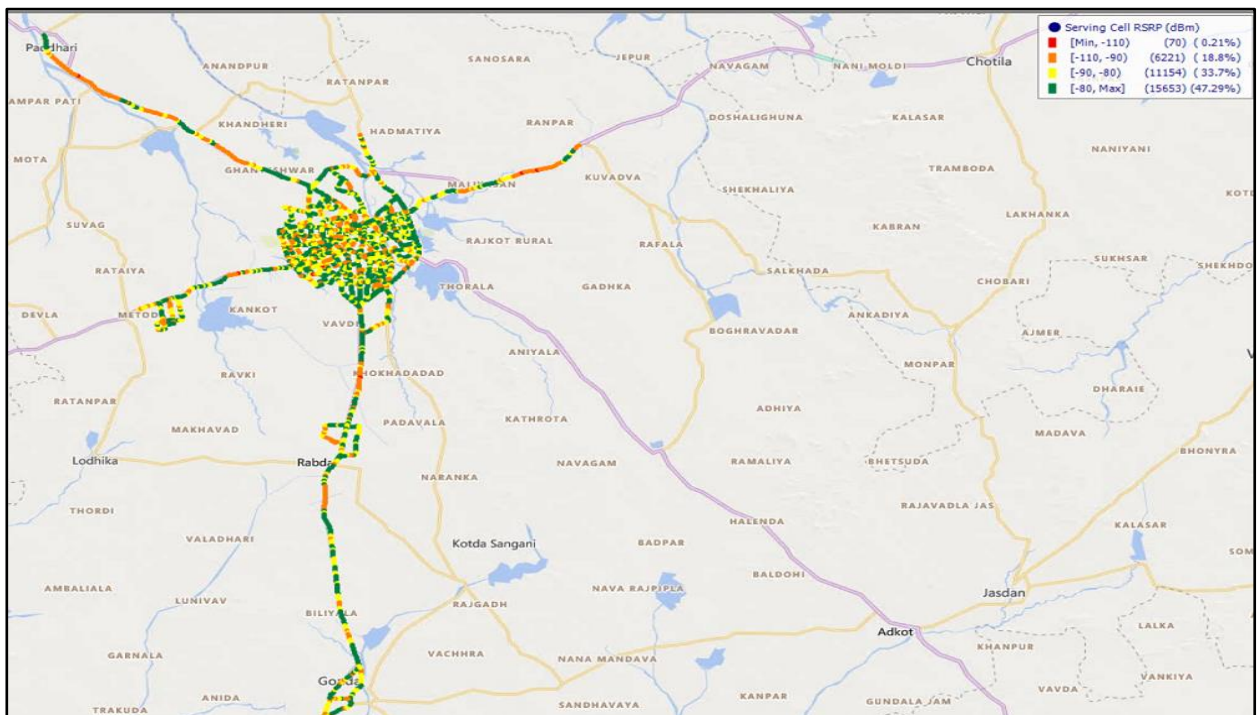
AIRTEL

| Technology | Coverage Rate % |
|------------|-----------------|
| 2G | 98.41 |
| VoLTE | 99.79 |

2G



VoLTE

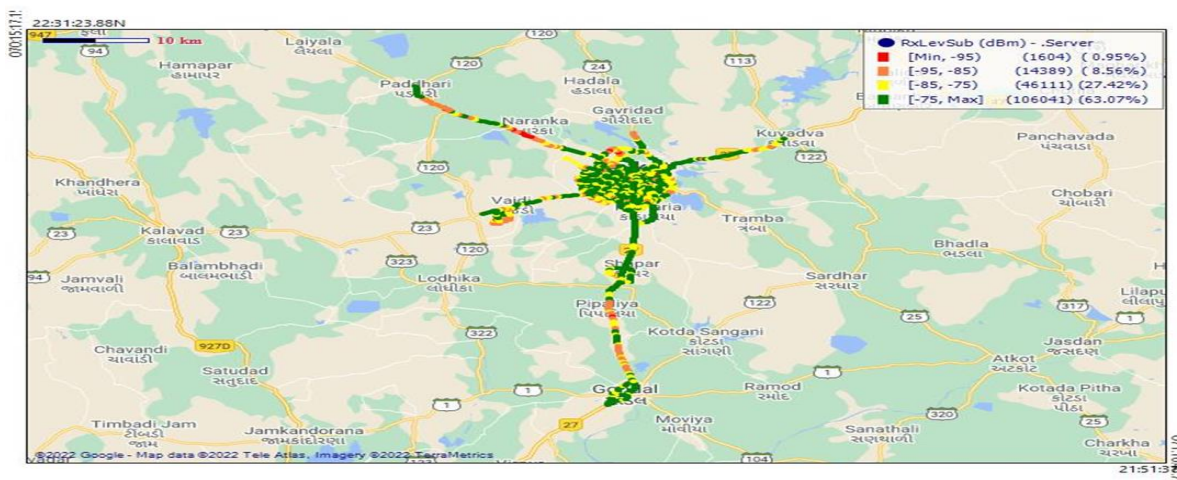


I. Coverage Details

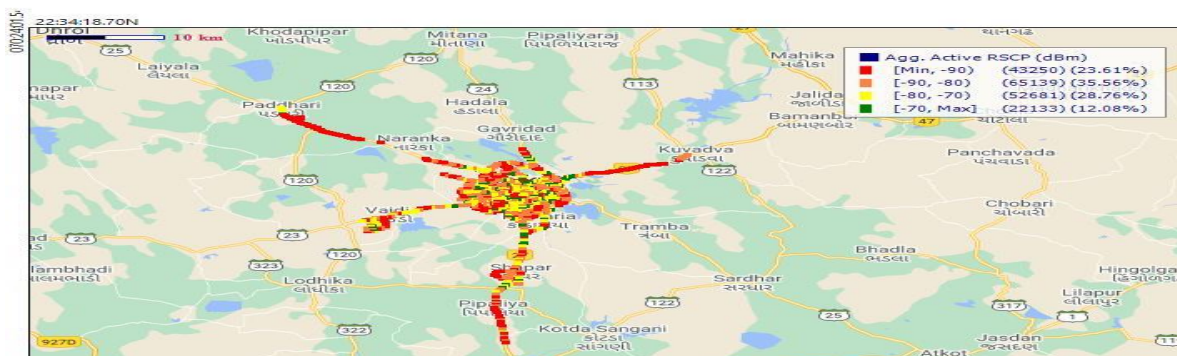
BSNL

| Technology | Coverage Rate % |
|-----------------------|-----------------|
| 2G | 90.49 |
| 3G | 76.39 |
| 4G (Gondal SDCA only) | 94.23 |

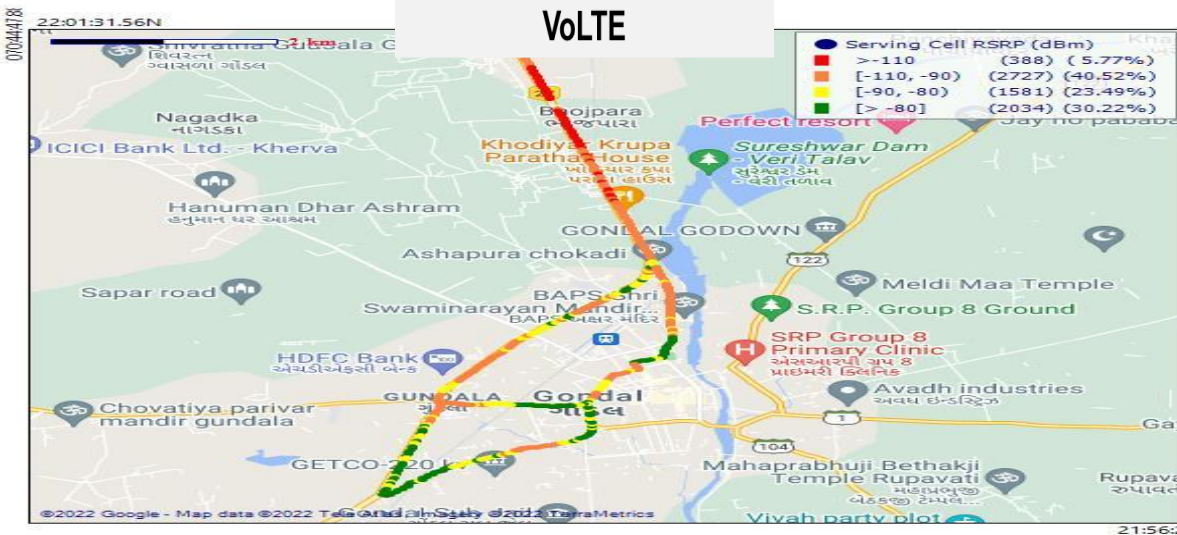
2G



3G



VOLTE



I. Coverage Details

JIO

| Technology | Coverage Rate % |
|------------|-----------------|
| VoLTE | 99.93 |

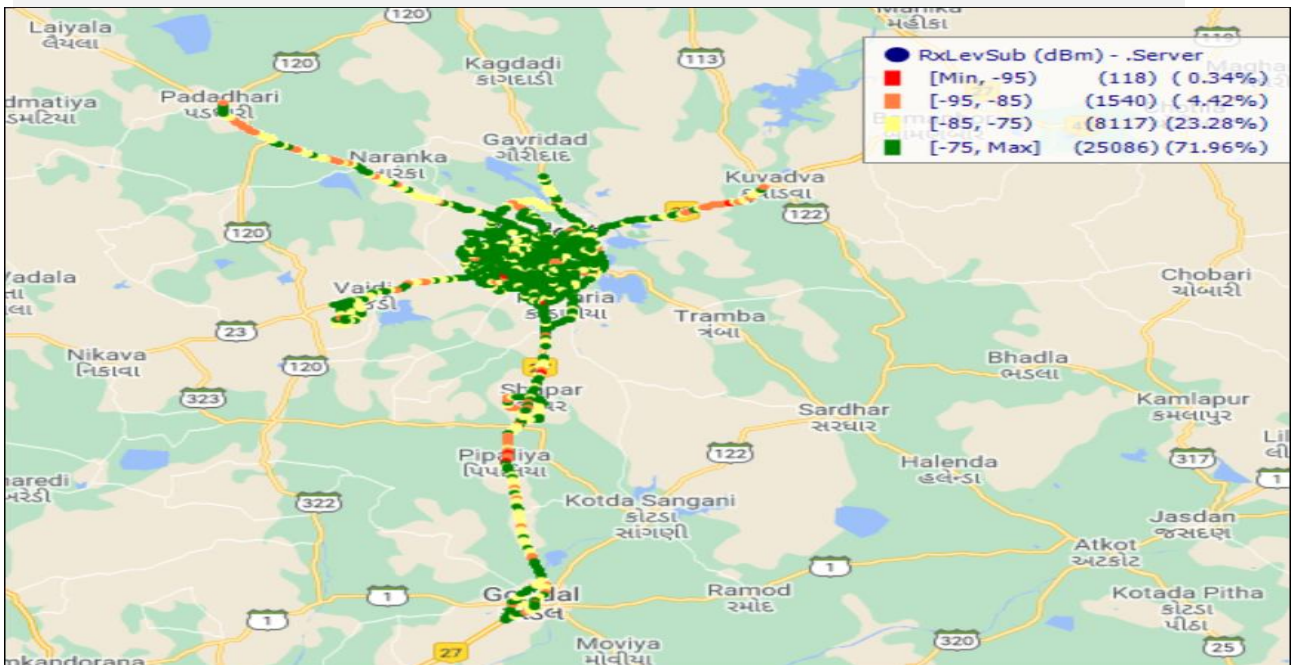


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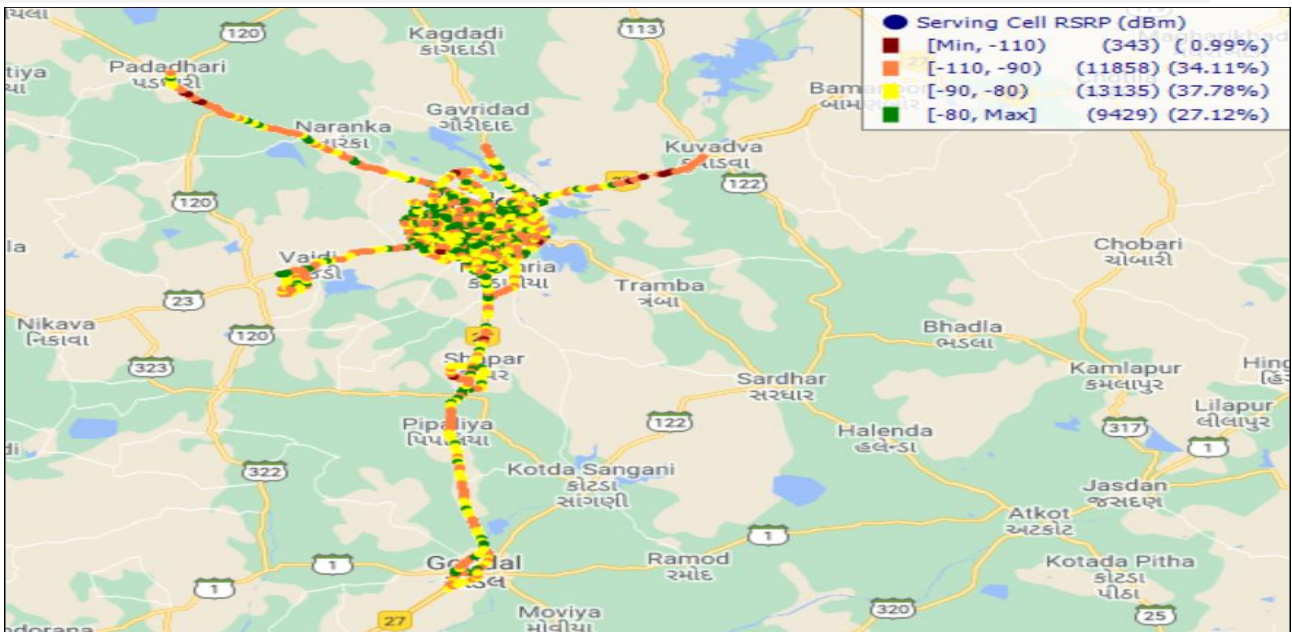
VIL

| Technology | Coverage Rate % |
|------------|-----------------|
| 2G | 95.24 % |
| VoLTE | 99.01 % |

2G



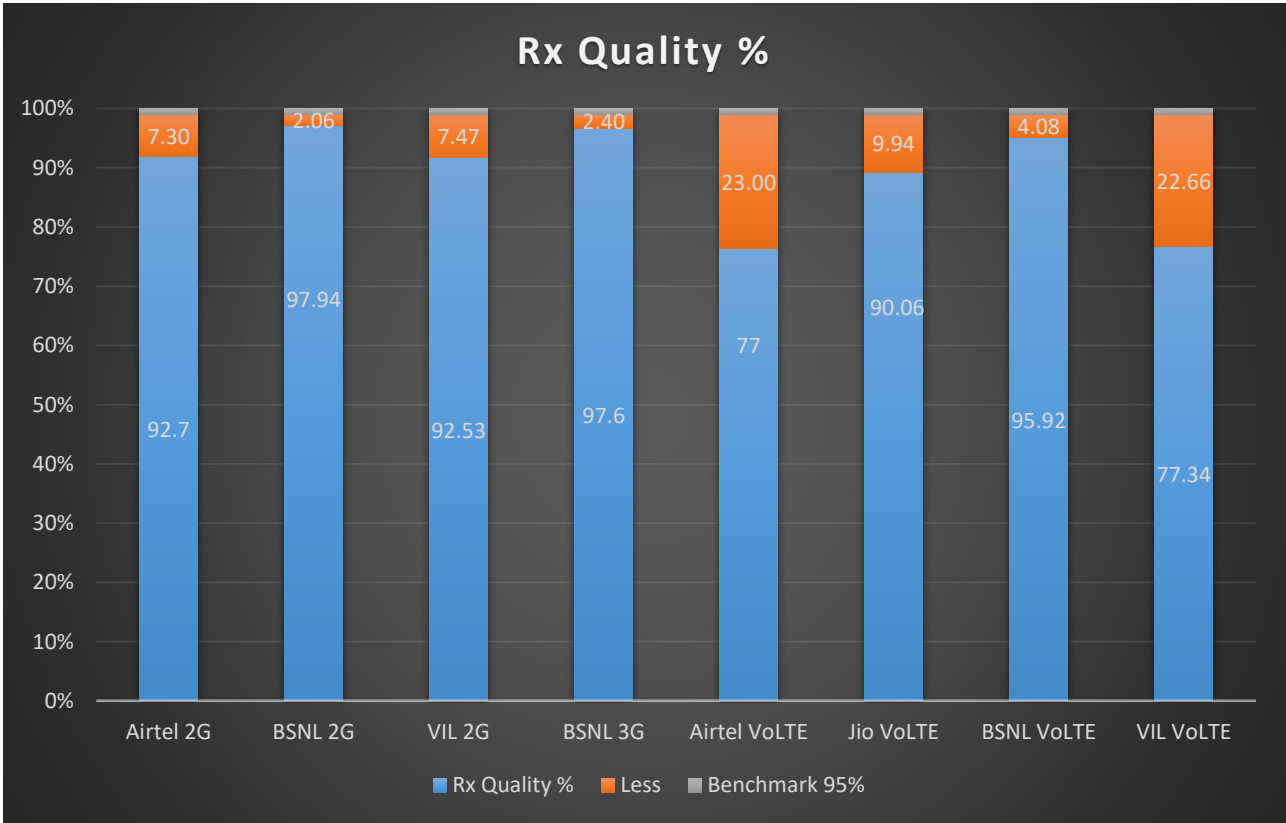
VoLTE



II. Quality Details

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 VoLTE is considered to be good, where as quality beyond this benchmark is considered to be bad. The benchmark should usually be $\geq 95\%$.

| TSP | Rx Quality % |
|---------------------|--------------|
| Airtel 2G | 92.70 |
| BSNL 2G | 97.94 |
| VIL 2G | 92.53 |
| BSNL 3G | 97.60 |
| Airtel VoLTE | 77.00 |
| Jio VoLTE | 90.06 |
| BSNL VoLTE | 95.92 |
| VIL VoLTE | 77.34 |

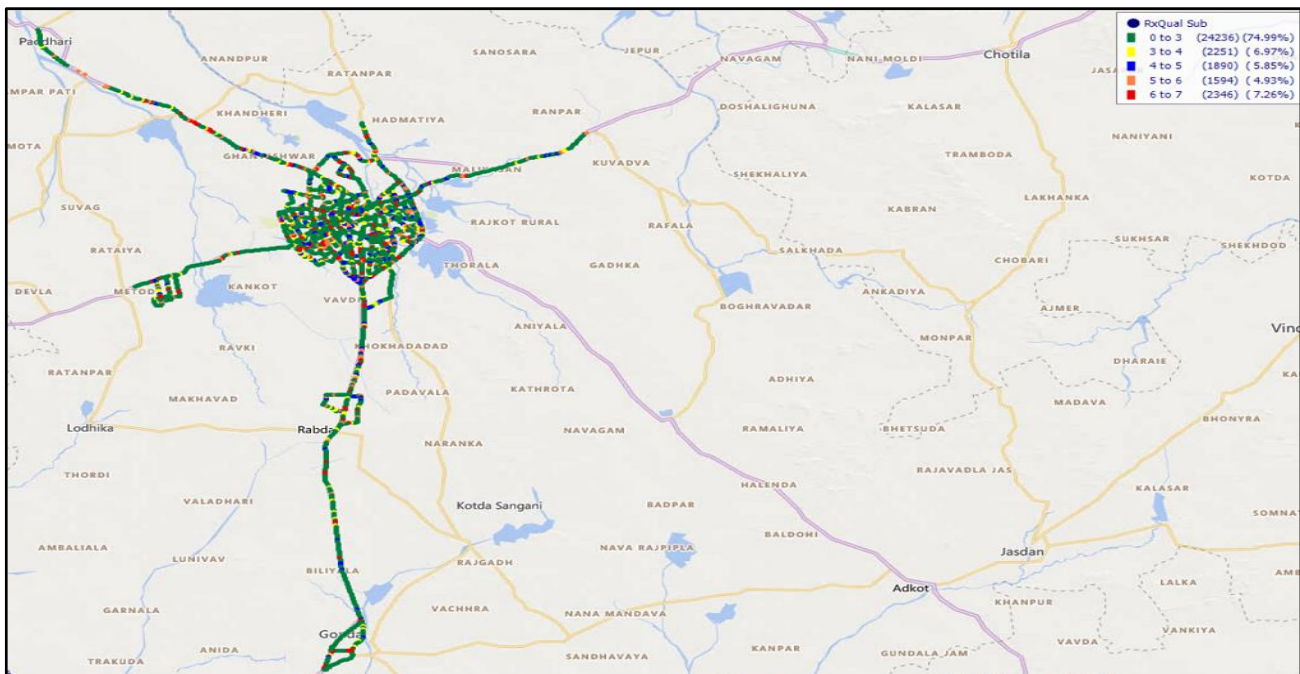


II. Quality Details

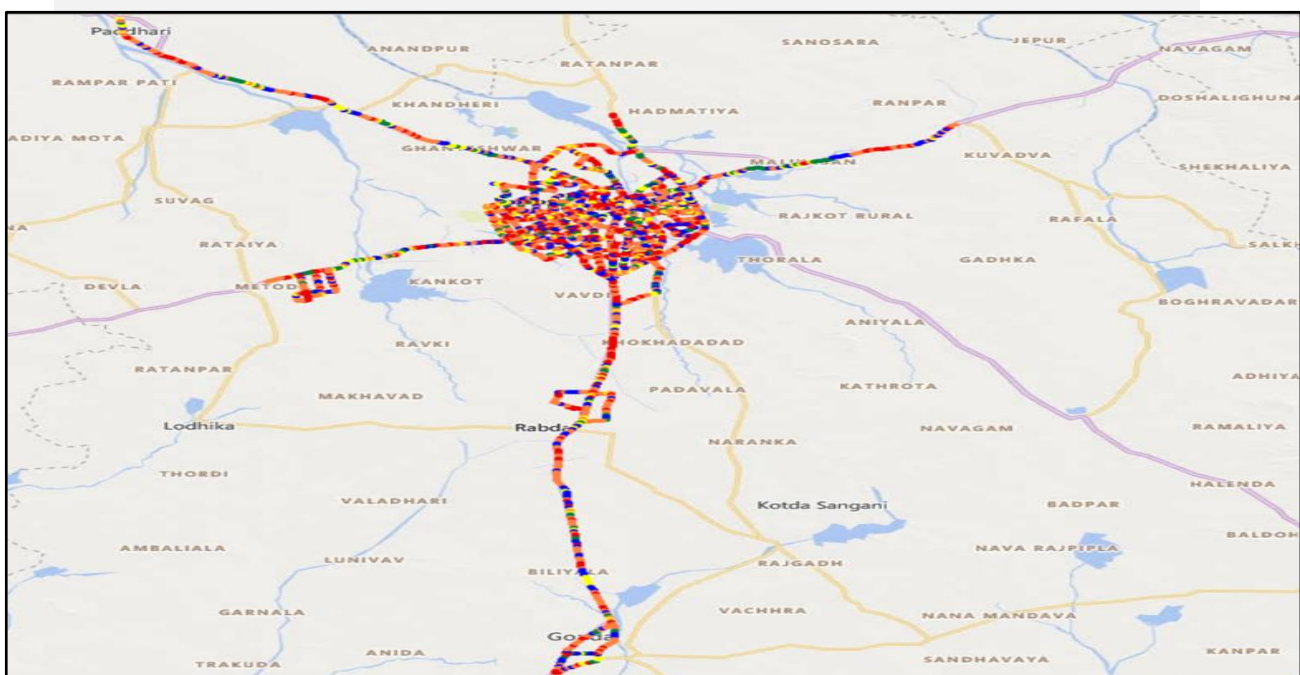
Airtel

| Technology | Rx Quality % |
|------------|--------------|
| 2G | 92.7% |
| VoLTE | 77% |

2G



VoLTE

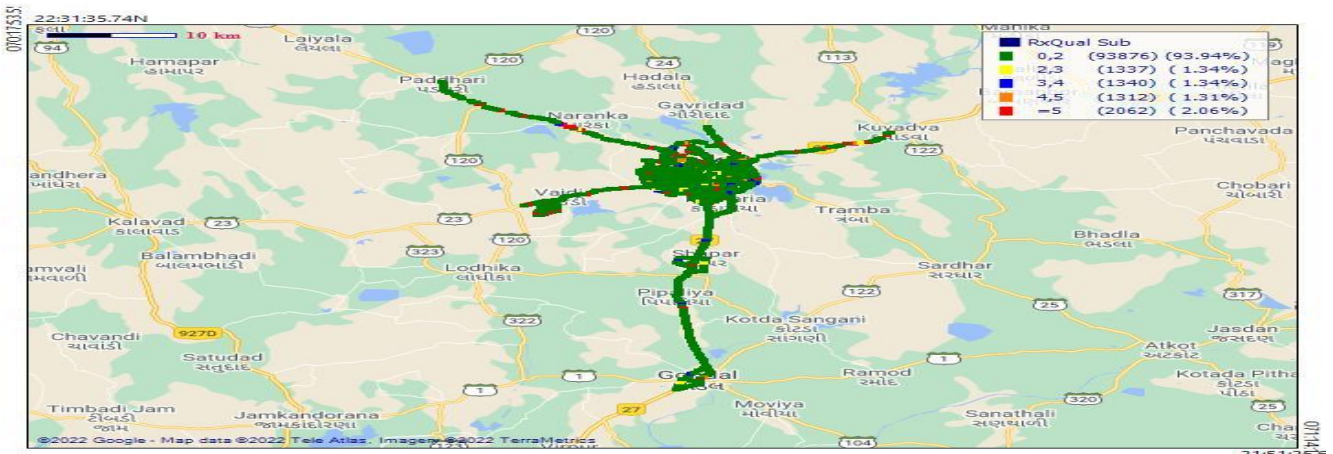


II. Quality Details

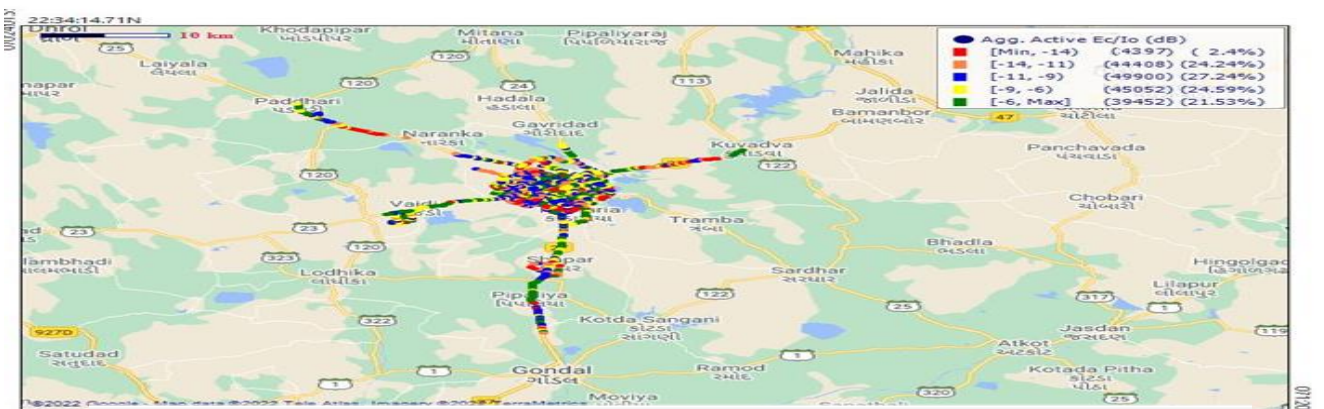
BSNL

| Technology | Rx Quality % |
|-----------------|--------------|
| 2G | 97.94 |
| 3G | 97.60 |
| VoLTE (Gondal) | 95.92 |

2G



3G



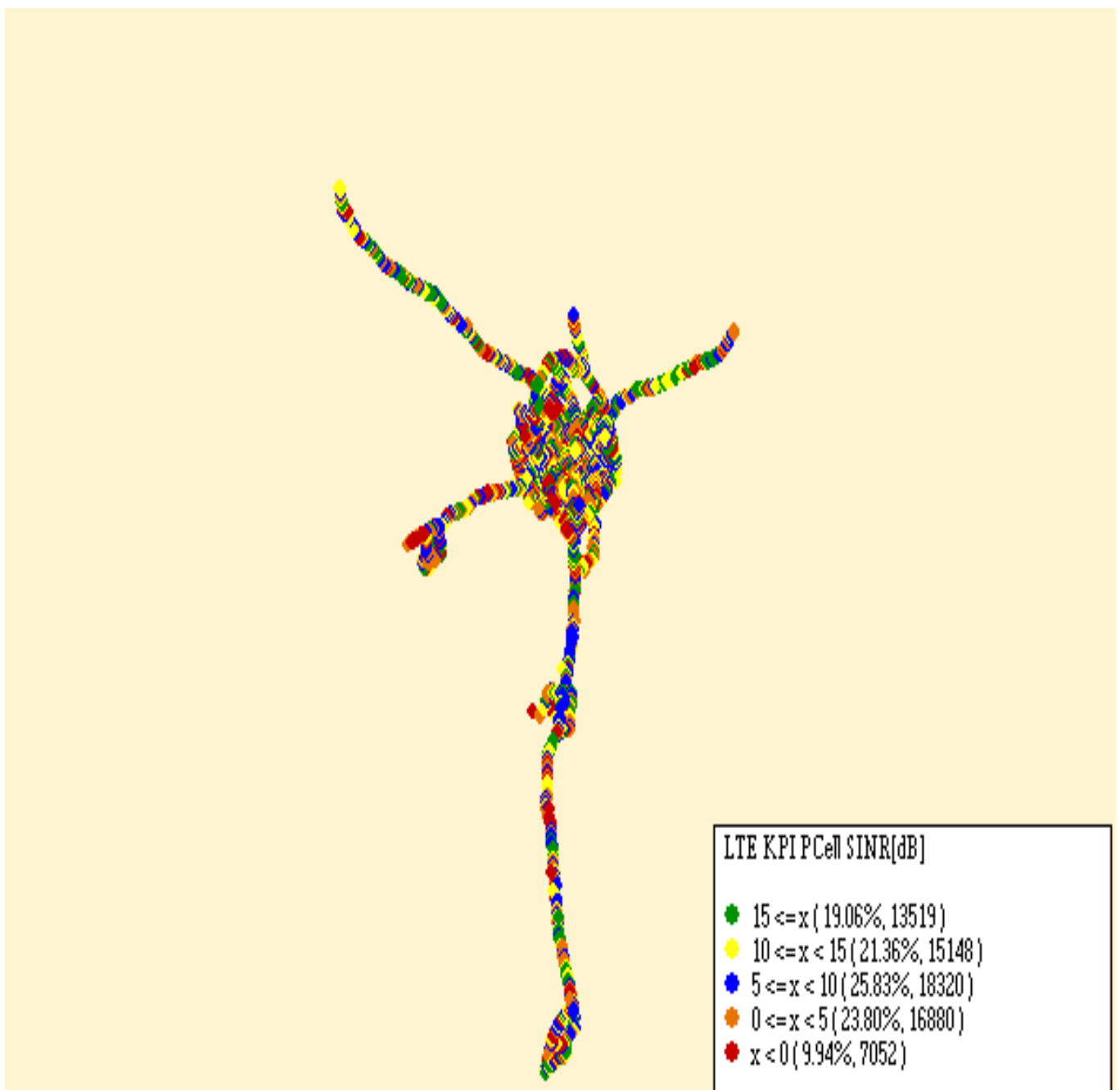
VoLTE



II. Quality Details

JIO

| Technology | Rx Quality % |
|------------|--------------|
| VoLTE | 90.06 |

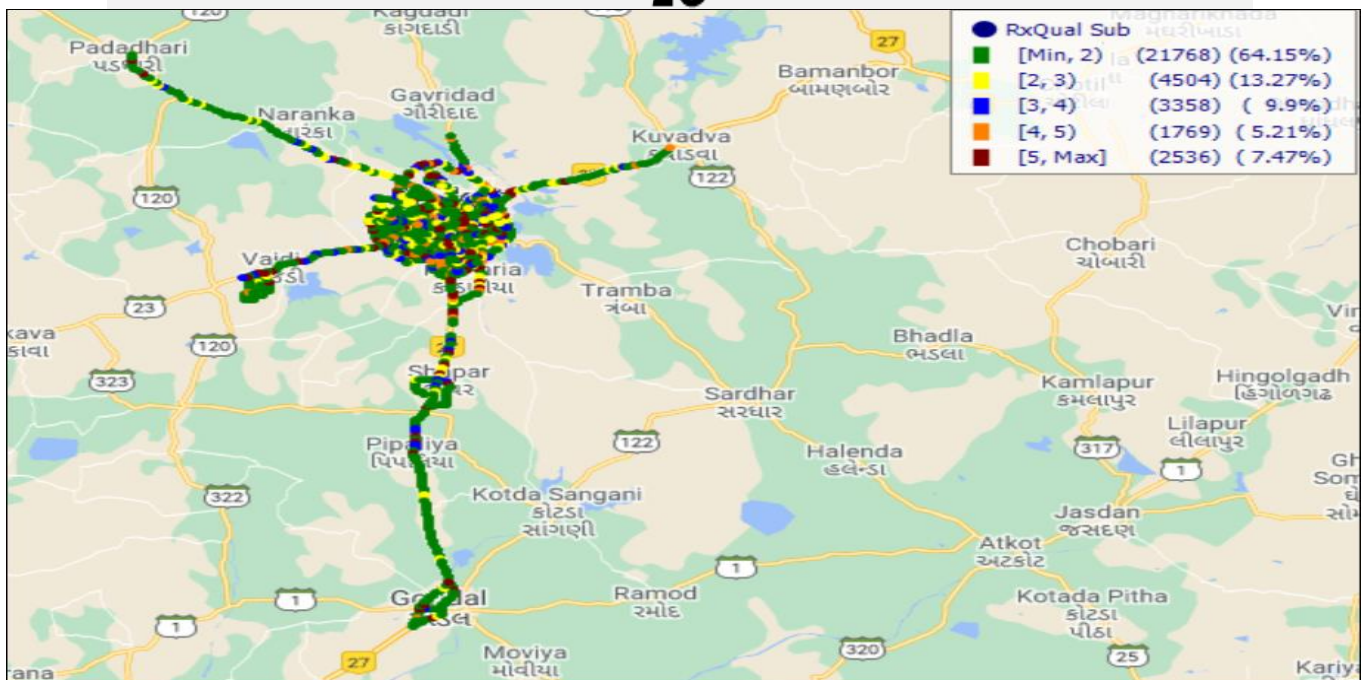


II. Quality Details

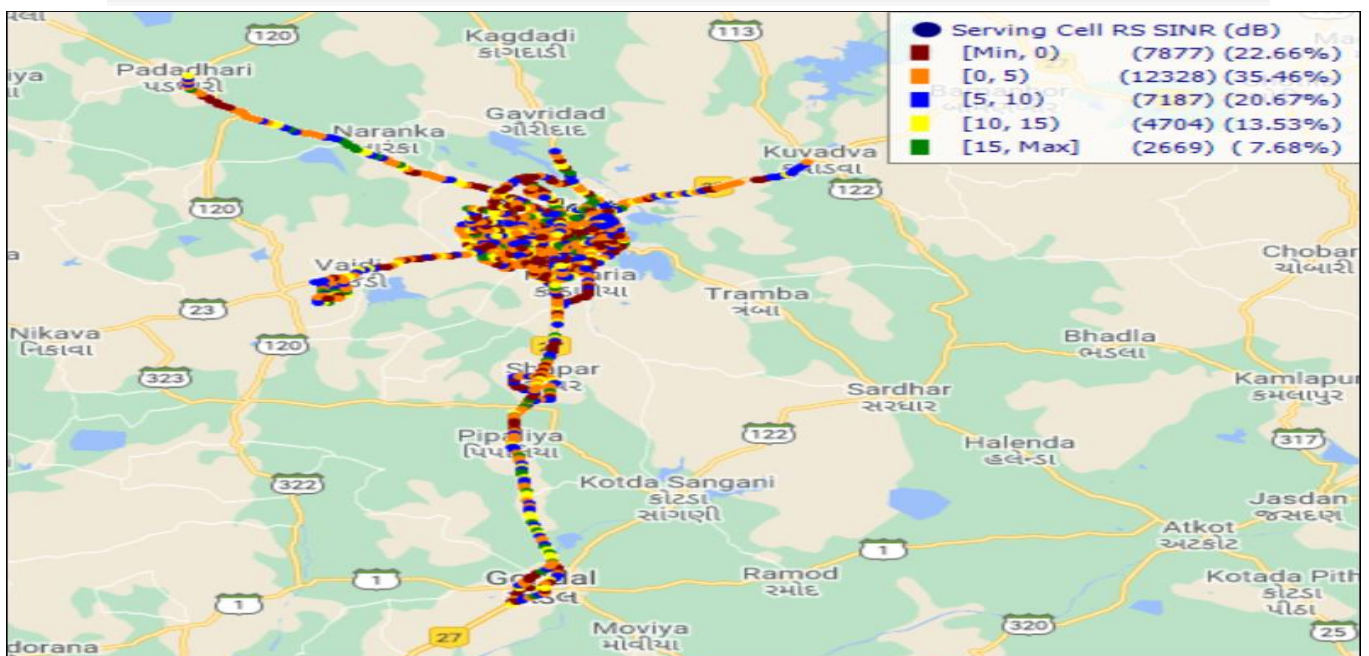
VIL

| Technology | Rx Quality % |
|------------|--------------|
| 2G | 92.53 |
| 4G | 77.34 |

2G

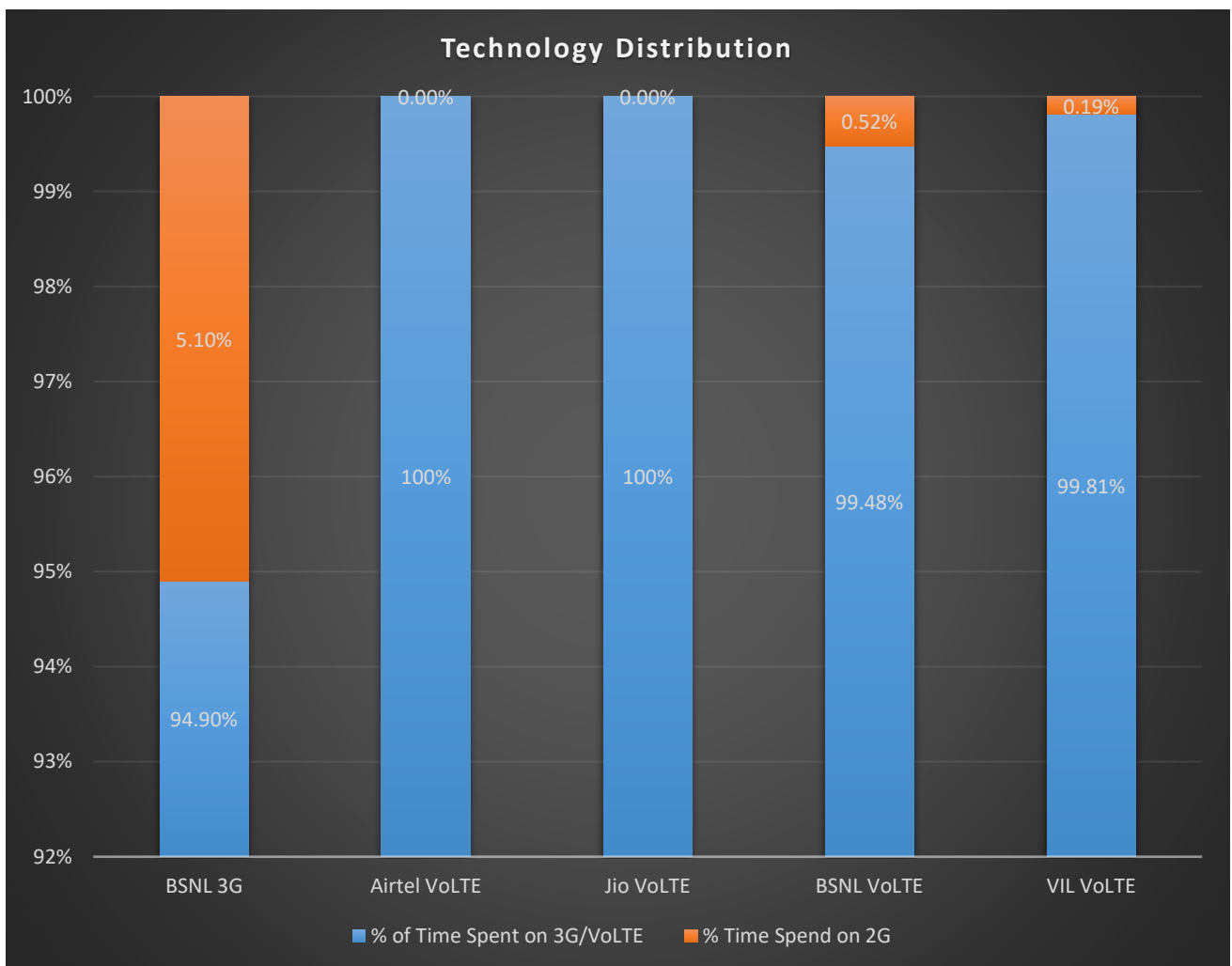


VoLTE



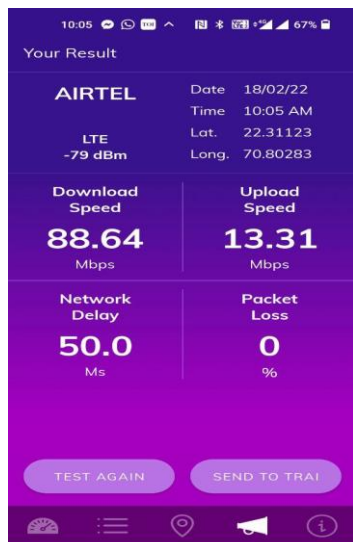
III. Technology Details

| TSP | % of Time Spent on 3G/VoLTE |
|----------------------------|-----------------------------|
| BSNL 3G | 94.90% |
| Airtel VoLTE | 100% |
| Jio VoLTE | 100% |
| BSNL VoLTE (Gondal) | 99.48% |
| VIL VoLTE | 99.81% |

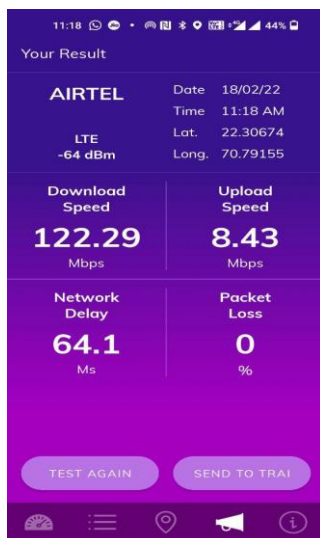


Airtel data testing on hotspots using Trai my speed app

Rajkot_Railway Station



Rajkot_C.P. Bunglow



Rajkot_Bus Station



Padadhari_CHC hospital



Gondal_Swaminarayan temple



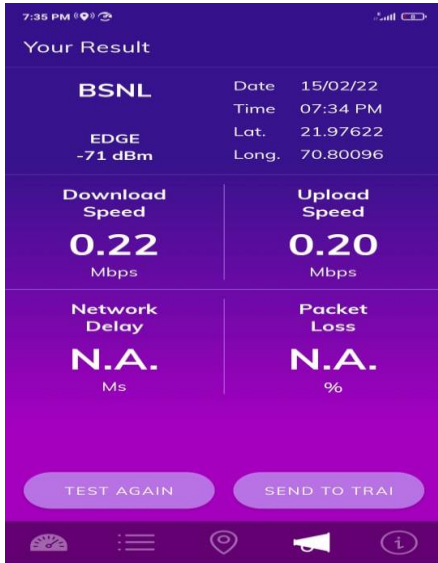
Rajkot_Crystal Mall



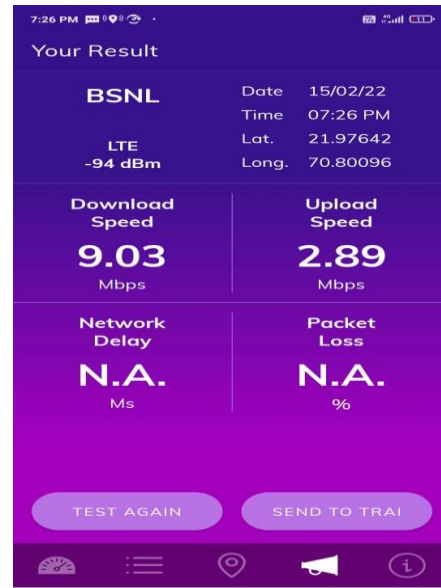
Rajkot_Big Bazar



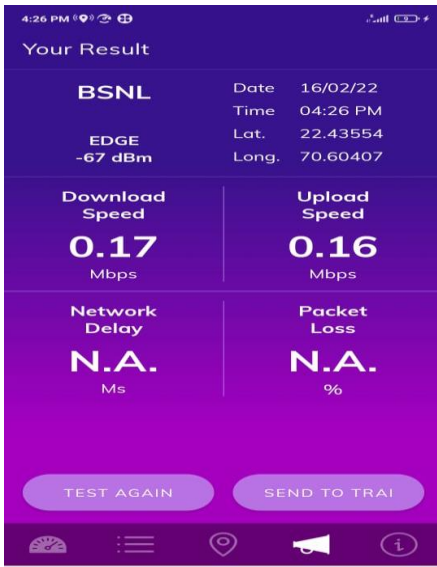
BSNL Screenshots of TRAI MySpeed App



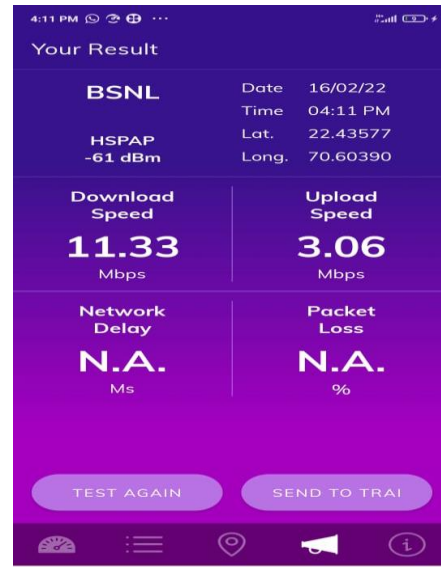
BAPS Swaminarayan Temple-Gondal(2G)



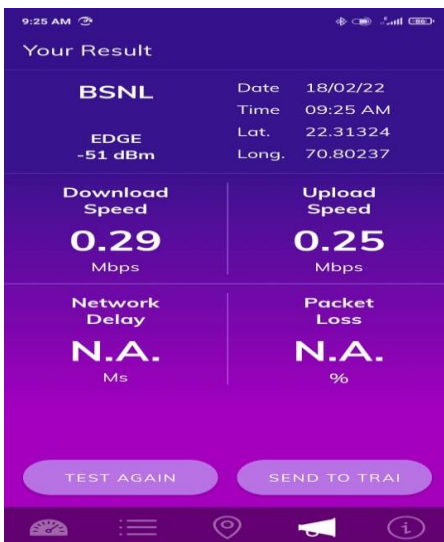
BAPS Swaminarayan Temple-Gondal(4G)



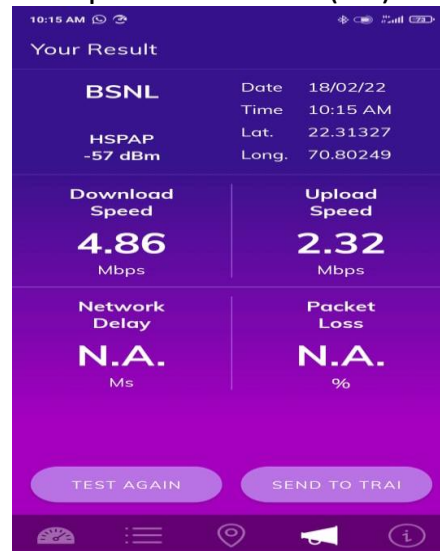
Civil Hospital- Padadhari(2G)



Civil Hospital- Padadhari(3G)



Railway Station -Rajkot (2G)

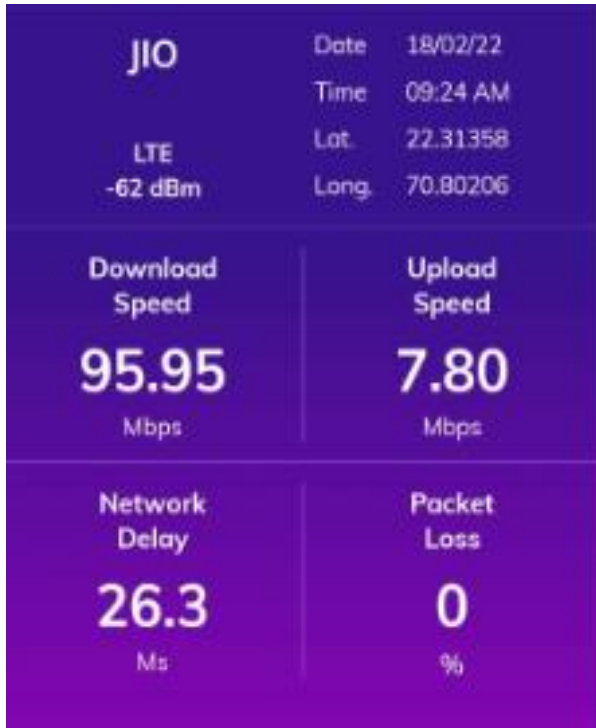


Railway Station- Rajkot (3G)

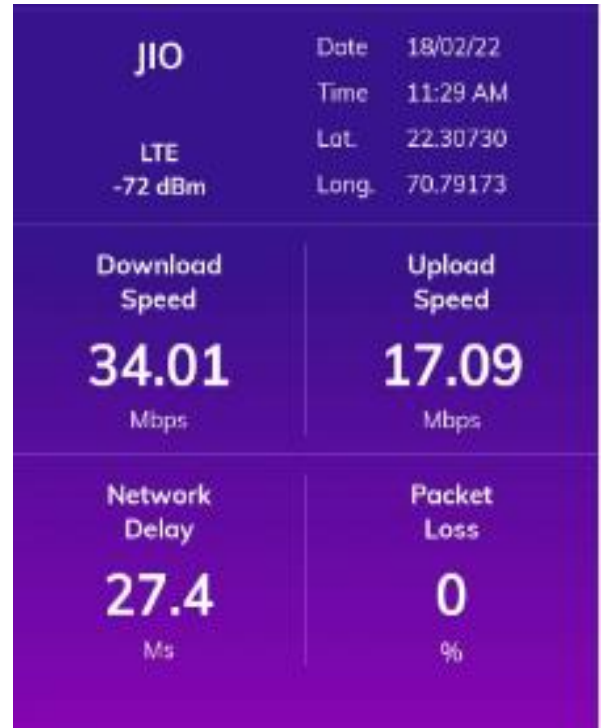
JIO Screenshots of TRAI MySpeed App

JIO

RAILWAY STATION



RACE COURSE



BUS STAND



BIG BAZZAR



V. Screenshots of TRAI MySpeed App

JIO

CRYSTAL MALL

| | | |
|-----------------------|---------------------|----------|
| JIO | Date | 18/02/22 |
| LTE | Time | 05:00 PM |
| -44 dBm | Lat. | 22.27991 |
| | Long. | 70.76358 |
| Download Speed | Upload Speed | |
| 32.14 | 53.35 | |
| Mbps | Mbps | |
| Network Delay | Packet Loss | |
| 24.8 | 0 | |
| Ms | % | |

SWAMINARAYAN MANDIR

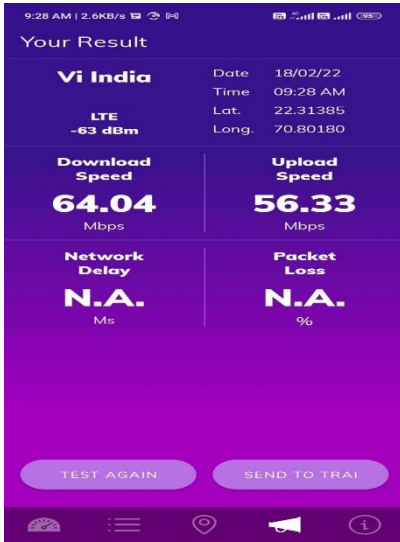
| | | |
|-----------------------|---------------------|----------|
| JIO | Date | 15/02/22 |
| LTE | Time | 07:07 PM |
| -70 dBm | Lat. | 21.97580 |
| | Long. | 70.80122 |
| Download Speed | Upload Speed | |
| 93.28 | 9.76 | |
| Mbps | Mbps | |
| Network Delay | Packet Loss | |
| 26.7 | 0 | |
| Ms | % | |

PADDHARI

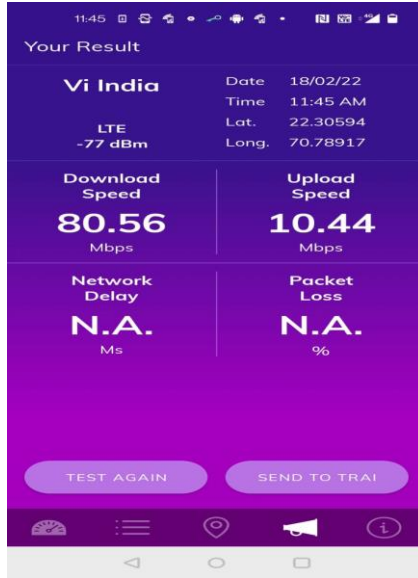
| | | |
|-----------------------|---------------------|----------|
| JIO | Date | 16/02/22 |
| LTE | Time | 05:05 pm |
| -80 dBm | Lat. | 22.43647 |
| | Long. | 70.60366 |
| Download Speed | Upload Speed | |
| 33.77 | 14.41 | |
| Mbps | Mbps | |
| Network Delay | Packet Loss | |
| 34.3 | 0 | |
| Ms | % | |

VI Data testing on hotspots using Trai my speed app

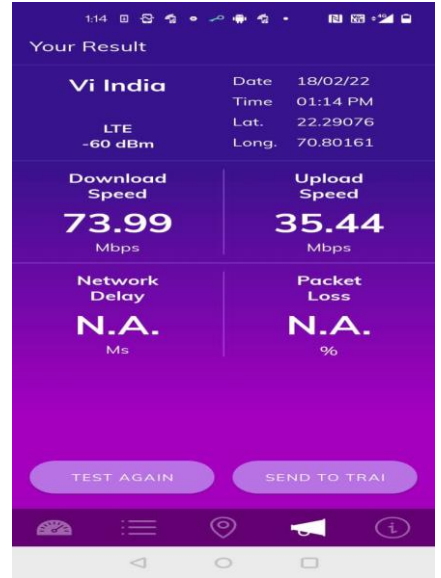
Rajkot_Railway Station



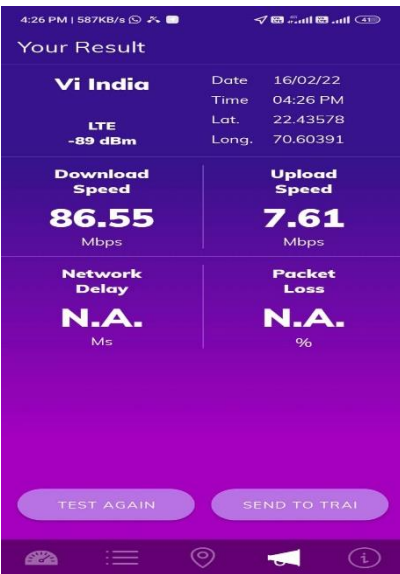
Rajkot_C.P. Bunglow



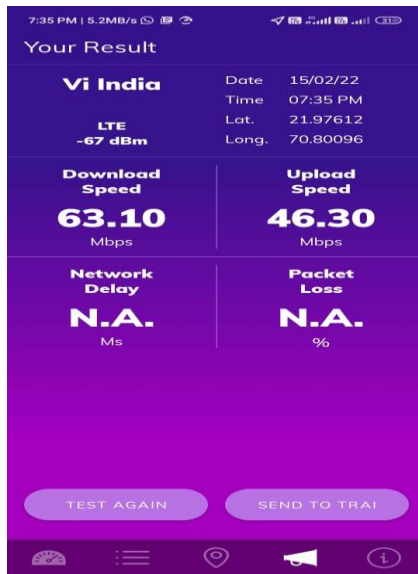
Rajkot_Bus Station



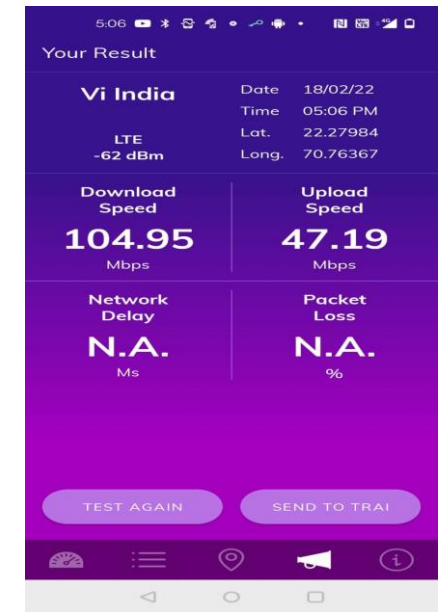
Padadhari_CHC hospital



Gondal_Swaminarayan temple



Rajkot_Crystal Mall



Rajkot_Big Bazar

