

Operator Assisted Drive Test Report

Ajmer & Pushkar city 19th to 22nd Sep'2023 By TRAI Regional office 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%.

The Operator Assisted Drive Test has been carried out by Regional Office, Jaipur with the help of Service Providers in Pushkar and Ajmer City and Hotspot from 9:00 AM to 7:00 PM during 20th to 22nd Sep'2023. The drive test covered drive route of 177 KMs & 6 no hotspots over a period of 3 days. Approximately 229 calls were made for each of the 7 networks: three 2G networks, one 3G networks and three LTE networks covering four TSPs.

Overview

Voice Summary Data Summary

Overview

Regional Office, TRAI Jaipur conducted Operator Assisted Drive Test from 20th Sep to 22nd Sep'2023 covering Pushkar and Ajmer city. The performance of Airtel, BSNL, Vodafone Idea and Jio was monitored across various technologies (2G, 3G and 4G). The test results obtained from these drive tests were utilized to assess the network quality for Voice and Data services.

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

Data: Download Throughputs,

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 177 KMs. Approximately 229 calls were made for each of the Jio networks: three 2G (Lock Mode) networks, one 3G (Dual mode) networks and three VoLTE networks covering 4 unique TSPs.

Data Tests:

Dynamic data test was conducted for 177 kms for download throughput in all technologies. 2G – measurement – UE Locked in 2G file size- 500KB

3G - measurement - UE in 3G File Size- 20MB

4G - measurement - UE in LTE File Size- 40MB

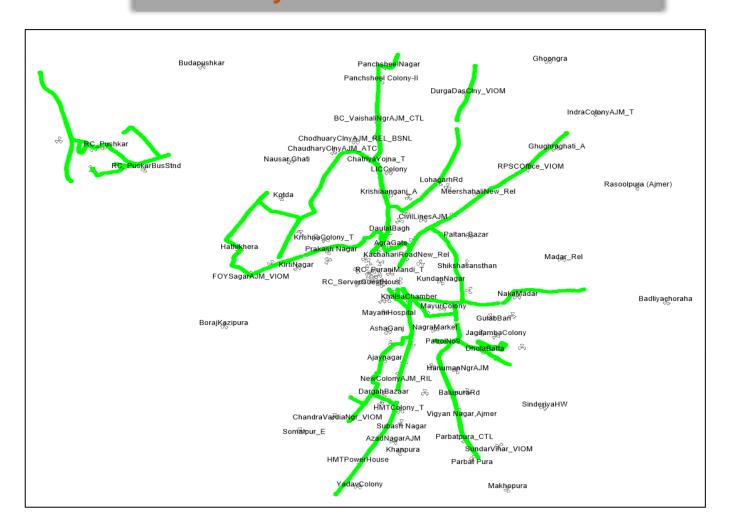
Static data tests on 6 hotspots

- 1. Bramha Temple, Pushkar
- 2. Aimer Bus stand
- 3. Ajmer Railway station
- 4. Ajmer Dargah
- 5. Wonders park, Ajmer
- 6. Bajarang garh choraha, Ajmer

| 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

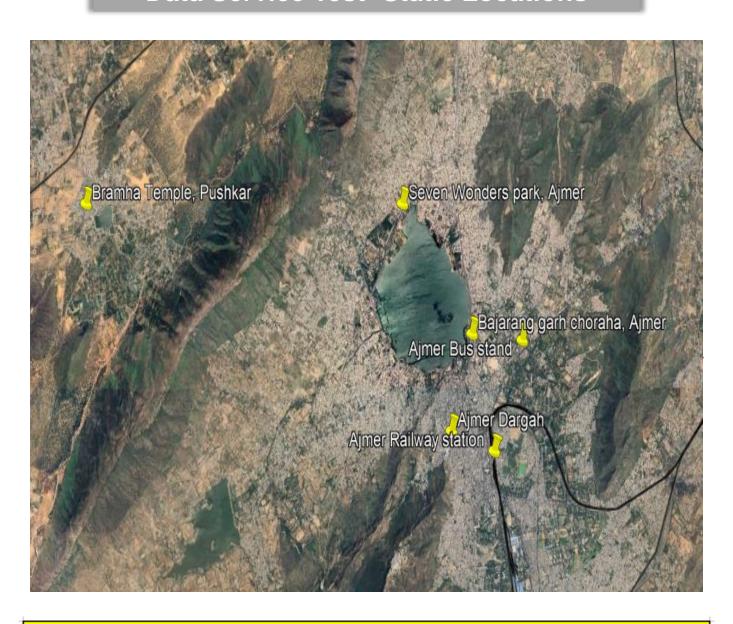
Voice & Dynamic Data Test Drive Route



| Date | Test Scenario | Area to be Covered |
|-----------|---------------------------------------|--|
| 19-Sep-23 | Hot Spots- 2G/3G/4G Static Data Tests | Static Hotspot – 1) Bramha temple. |
| 20-Sep-23 | 2G/3G/4G Voice and 3G/4G Dynamic Data | Pushkar City drive test. |
| 21-Sep-23 | 2G/3G/4G Voice and 3G/4G Dynamic Data | Starting point Ajmer City 9.30 AM at BSNL Office (Agra Gate) – Railway Station- Martin bridge – Kesar ganj – Ram ganj- HMT- panchwati circle – chandravardai nagar – adarsh nagar – Makhupara – 9 number petrol pump – Mayo college – Raja cycle circle – CRPF Bridge – Army Cant – railway DRM office – Bus stand – High court – RPSC- MDS university – Kayad – SP office – Savirti college – Ajmer club – Jawahar Rangmanch – Bajrang garh circle - Chopati – bioscopre mall - Man singh palace – Vailshali nagar – Masala chowk – 7 Wonders – Mittal hospital – FOY sagar road - Lake view hotel – Agra gate – Dargah – Madar gate. |
| 22-Sep-23 | Hot Spots- 2G/3G/4G Static Data Tests | Static Hotspots – 2)Ajmer Railway station , 3) Ajmer Bus stand , 4)Ajmer Dargah , 5) 7 Wonders park , 6) Bajrang garh choraha. |

Overview

Data Service Test- Static Locations



Hotspot Location

Location 1 - Brahma Temple

Location 2- Bus Stand

Location 3- Railway Station

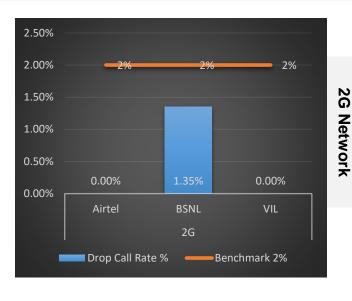
Location 4- Dargah

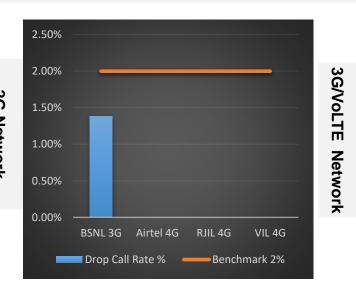
Location 5- Seven Wonders

Location 6- Bajarang Garh Choraha

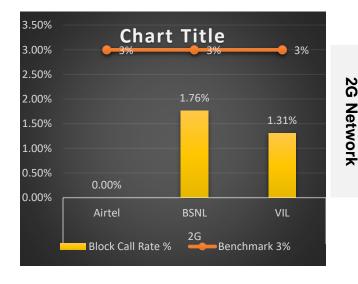
Overview Details

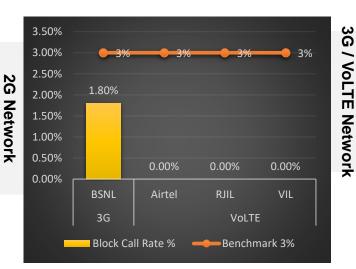
Drop Call Rate (%)





Block Call Rate (%)





| V Dla | | 2G | | 3G | 4G | | |
|----------------------|--------|-------|-------|-------|--------|-------|-----|
| KPIs | Airtel | BSNL | VIL | BSNL | Airtel | RJIL | VIL |
| Drop Call Rate % | 0.00% | 1.35% | 0.00% | 1.38% | 0.00% | 0.00% | 0% |
| Block Call Rate % | 0.00% | 1.76% | 1.31% | 1.8% | 0.00% | 0.00% | 0% |

- 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 Summary 5

Voice Calls

Key Observations

Coverage

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

| Tene | 2G | | | |
|------------|--------|--------|--------|--|
| TSPs | Airtel | BSNL | VIL | |
| Coverage % | 90.10% | 95.04% | 91.47% | |

b) Percentage of coverage samples for 3G ≥ -90 dBm

| TSPs | 3G |
|------------|--------|
| | BSNL |
| Coverage % | 95.01% |

c) Percentage of coverage samples for LTE ≥ -110 dBm.

| TCDo | VoLTE | | | | |
|------------|--------|--------|--------|--|--|
| TSPs | Airtel | JIO | VIL | | |
| Coverage % | 99.96% | 99.75% | 99.18% | | |

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

| TCDe | 3G | VoLTE | | | |
|-------------------------------|--------|--------|---------|------|--|
| TSPs | BSNL | Airtel | JIO | VIL | |
| Time spent on 3G/4G Network % | 16.61% | 100% | 100.00% | 100% | |

Voice Summary 6

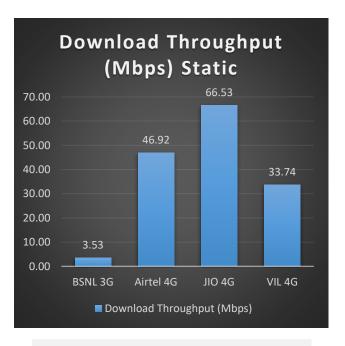
Data <u>Services Static</u>

Key Observations

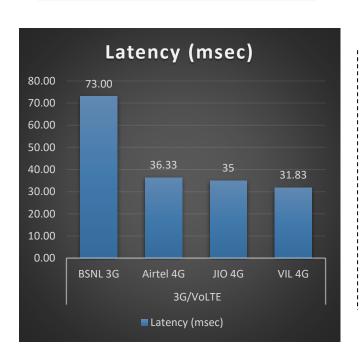
Data was tested at 5 locations .Following services were tested: Data Download/Upload, Latency (www.google.com), and Web browsing (Flipkart, Amazon, Paytm)

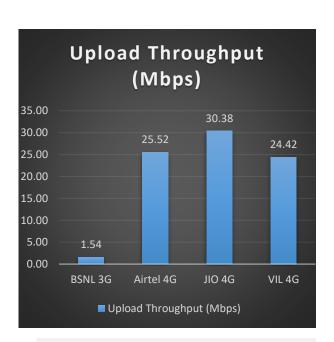
Data Download and Upload Performance Static (Mbps)

3G/4G/ Network:

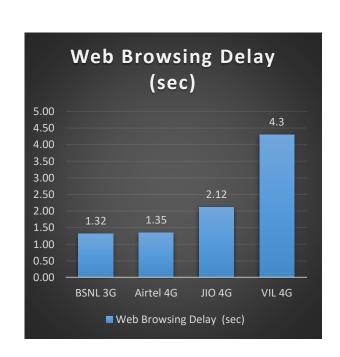


Latency (ms)





Web Browsing (Sec)



Data Services Dynamic

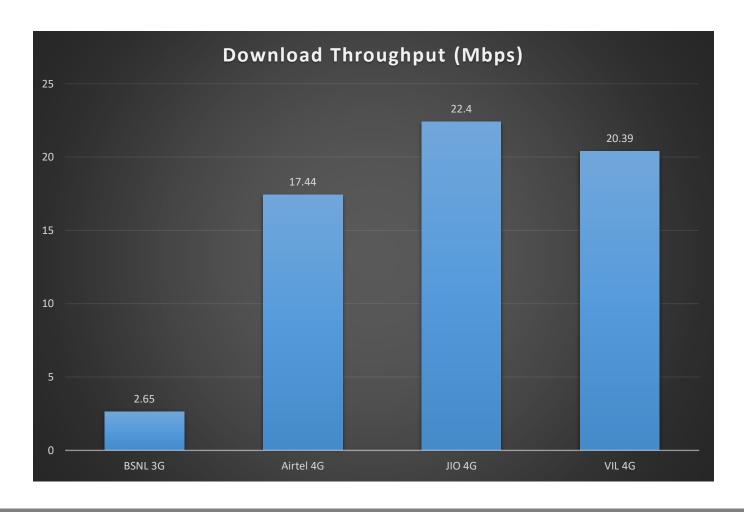
Key Observations

Dynamic Data was tested for whole voice route. Download Throughput was tested.

Data Download Performance (kbps) - Dynamic

3G/4G/ Network:

| | 3G/VoLTE | | | | |
|----------------------------|----------|-----------|--------|--------|--|
| Data Services Dynamic | BSNL 3G | Airtel 4G | JIO 4G | VIL 4G | |
| Download Throughput (Mbps) | 2.65 | 17.44 | 22.4 | 20.39 | |



Data Summary 8

City Level Summary-Voice

| | 2G | | | | |
|-----------------------|--------|--------|--------|--|--|
| Voice Call | Airtel | BSNL | VIL | | |
| Call Attempt | 198 | 227 | 229 | | |
| Blocked Call Rate (%) | 0.00% | 1.76% | 1.31% | | |
| CSSR% (Accessibility) | 100% | 98.24% | 98.69% | | |
| Drop Call Rate (%) | 0.00% | 1.35% | 0.00% | | |
| Mobility HOSR (%) | 100% | 97.49% | 99.66% | | |
| Rx Quality (%) | 98.53% | 95.1% | 96.32% | | |
| Average CST Sec | 2.3 | 2.48 | 3.17 | | |

| | 3G/VoLTE | | | | |
|-----------------------|----------|--------------|-----------|-----------|--|
| Voice Call | BSNL 3G | Airtel VoLTE | JIO VoLTE | VIL VoLTE | |
| Call Attempt | 222 | 198 | 229 | 212 | |
| Blocked Call Rate (%) | 1.8% | 0.00% | 0.00% | 0.00% | |
| CSSR% (Accessibility) | 98.2% | 100% | 100% | 100% | |
| Drop Call Rate (%) | 1.38% | 0.00% | 0.00% | 0.00% | |
| Mobility HOSR (%) | 99.27% | 100% | 99.58% | 97.82% | |
| Rx Quality (%) | 95.61% | 98.76% | 94.38% | 95.70% | |
| Average CST Sec | 3.18 | 0.2 | 0.68 | 0.53 | |

City Level Summary-Data Services

| Data Services Static | 2G | | | |
|-------------------------------|--------|------|--------|--|
| Data Services Static | Airtel | BSNL | VIL | |
| Download Throughput (kbps) | 219.33 | 170 | 262.68 | |
| Upload Throughput (kbps) | 206.67 | 61 | 217.13 | |
| Web Browsing Delay (sec) | 12.12 | 1.35 | 32.6 | |
| Latency (msec) | 209.17 | 226 | 221.66 | |

| Data Services Static | 3G / 4G | | | | |
|-----------------------------|---------|-----------|--------|--------|--|
| Data Services Static | BSNL 3G | Airtel 4G | JIO 4G | VIL 4G | |
| Download Throughput (Mbps) | 3.53 | 46.92 | 66.53 | 33.74 | |
| Upload Throughput(Mbps) | 1.54 | 25.52 | 30.38 | 24.42 | |
| Video Streaming Delay (sec) | ı | 0.25 | 0.34 | 1.61 | |
| Web Browsing Delay (sec) | 1.32 | 1.35 | 2.12 | 4.3 | |
| Latency (msec) | 73 | 36.33 | 35 | 31.83 | |

| Drohma Tampla | 2G | | | | |
|----------------------------|--------|------|--------|--|--|
| <u>Brahma Temple</u> | Airtel | BSNL | VIL | | |
| Download Throughput (kbps) | 210 | 239 | 232.68 | | |
| Upload Throughput (kbps) | 200 | 54 | 166.52 | | |
| Web Browsing Delay (sec) | 11.46 | 1.22 | 34.28 | | |
| Latency (msec) | 224 | 400 | 233 | | |

| Bus Stand Ajmer | 2G | | | | |
|----------------------------|--------|------|--------|--|--|
| | Airtel | BSNL | VIL | | |
| Download Throughput (kbps) | 220 | 108 | 278.09 | | |
| Upload Throughput (kbps) | 220 | 78 | 247.89 | | |
| Web Browsing Delay (sec) | 12.28 | 1.29 | 32.39 | | |
| Latency (msec) | 232 | 239 | 239 | | |

| Railway Station | 2G | | | | |
|----------------------------|--------|------|--------|--|--|
| Kaliway Station | Airtel | BSNL | VIL | | |
| Download Throughput (kbps) | 200 | 130 | 332.05 | | |
| Upload Throughput (kbps) | 210 | 80 | 299.68 | | |
| Web Browsing Delay (sec) | 11.36 | 1.45 | 34.37 | | |
| Latency (msec) | 246 | 129 | 223 | | |

| Dougel | 2G | | | | |
|----------------------------|--------|------|--------|--|--|
| <u>Dargah</u> | Airtel | BSNL | VIL | | |
| Download Throughput (kbps) | 210 | 239 | 238.86 | | |
| Upload Throughput (kbps) | 200 | 24 | 153.70 | | |
| Web Browsing Delay (sec) | 11.86 | 1.39 | 31.73 | | |
| Latency (msec) | 184 | 204 | 180 | | |

| . w | 2G | | | | |
|----------------------------|--------|------|--------|--|--|
| <u>Seven Wonders</u> | Airtel | BSNL | VIL | | |
| Download Throughput (kbps) | 220 | 128 | 263.26 | | |
| Upload Throughput (kbps) | 200 | 46 | 252.76 | | |
| Web Browsing Delay (sec) | 11.46 | 1.34 | 30.56 | | |
| Latency (msec) | 238 | 239 | 232 | | |

| Bajrang garh Charaha | 2G | | | | | |
|----------------------------|--------|------|--------|--|--|--|
| <u>Bajrang gam Charana</u> | Airtel | BSNL | VIL | | | |
| Download Throughput (kbps) | 200 | 178 | 231.17 | | | |
| Upload Throughput (kbps) | 210 | 86 | 187.36 | | | |
| Web Browsing Delay (sec) | 11.88 | 1.42 | 32.30 | | | |
| Latency (msec) | 248 | 145 | 223 | | | |

Data Services static

| Prohmo Tomplo | 3G | 4G | | |
|--------------------------------|------|--------|-------|-------|
| <u>Brahma Temple</u> | BSNL | Airtel | Jio | VIL |
| Download Throughput (mbps) | 2.63 | 41.88 | 77.17 | 14.24 |
| Upload Throughput (mbps) | 1.96 | 26.82 | 22.96 | 15.31 |
| Video Streaming Delay (Secs.) | - | 0.13 | 0.33 | 2.0 |
| Web Browsing Delay (sec) | 1.32 | 1.1 | 1.82 | 3.9 |
| Latency (msec) | 180 | 36 | 38 | 34 |

| Dece Oten d Aimsen | 3G | 4G | | |
|--------------------------------|------|--------|-------|-------|
| Bus Stand Ajmer | BSNL | Airtel | Jio | VIL |
| Download Throughput (mbps) | 4.77 | 55.35 | 41.19 | 27.14 |
| Upload Throughput (mbps) | 1.78 | 23.25 | 20.63 | 15.31 |
| Video Streaming Delay (Secs.) | - | 0.18 | 0.35 | 1.2 |
| Web Browsing Delay (sec) | 1.32 | 1.2 | 2.3 | 4.2 |
| Latency (msec) | 49 | 32 | 35 | 43 |

| Railway Station | 3 G | 4G | | |
|-----------------------------------|------------|--------|-------|-------|
| Kallway Station | BSNL | Airtel | Jio | VIL |
| Download Throughput (mbps) | 4.50 | 78.24 | 83.34 | 56.01 |
| Upload Throughput (mbps) | 2.53 | 31.78 | 22.82 | 32.64 |
| Video Streaming Delay (Secs.) | ı | 0.12 | 0.33 | 1.3 |
| Web Browsing Delay (sec) | 1.34 | 0.8 | 2.36 | 4.3 |
| Latency (msec) | 59 | 34 | 33 | 24 |

Data Services static

| Dargah | 3G | 4G | | |
|--------------------------------|------|--------|-------|-------|
| <u>Dargan</u> | BSNL | Airtel | Jio | VIL |
| Download Throughput (mbps) | 4.76 | 48.56 | 65.99 | 31.49 |
| Upload Throughput (mbps) | 1.57 | 23.26 | 28.97 | 23.01 |
| Video Streaming Delay (Secs.) | - | 0.31 | 0.36 | 1.7 |
| Web Browsing Delay (sec) | 1.34 | 1.1 | 1.94 | 5.3 |
| Latency (msec) | 50 | 38 | 31 | 27 |

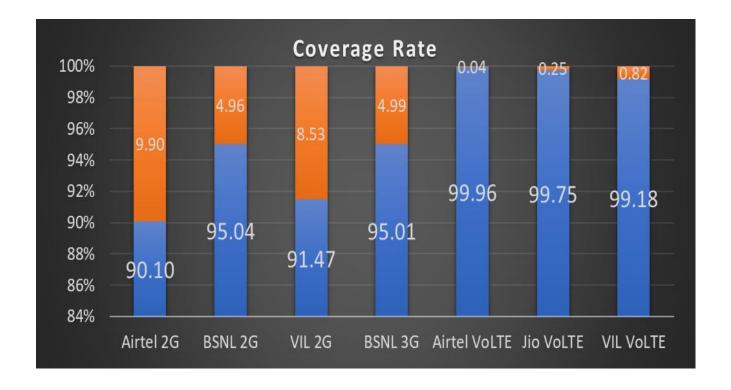
| Seven Wonders | 3G | | 4G | | |
|--------------------------------|------|--------|-------|-------|--|
| Seven Wonders | BSNL | Airtel | Jio | VIL | |
| Download Throughput (mbps) | 2.06 | 58.24 | 68.81 | 26.16 | |
| Upload Throughput (mbps) | 1.45 | 26.77 | 38.44 | 27.28 | |
| Video Streaming Delay (Secs.) | - | 0.19 | 0.33 | 1.6 | |
| Web Browsing Delay (sec) | 1.32 | 1.1 | 1.99 | 3.3 | |
| Latency (msec) | 49 | 28 | 30 | 41 | |

| Bajrang garh Charaha | 3G | 4G | | |
|--------------------------------|------|--------|-------|-------|
| <u>Bajrang garn Charana</u> | BSNL | Airtel | Jio | VIL |
| Download Throughput (mbps) | 2.46 | 58.78 | 62.66 | 47.41 |
| Upload Throughput (mbps) | 1.54 | 32.46 | 48.44 | 33.07 |
| Video Streaming Delay (Secs.) | | 0.26 | 0.34 | 1.9 |
| Web Browsing Delay (sec) | 1.26 | 1.3 | 2.3 | 4.8 |
| Latency (msec) | 51 | 36 | 43 | 22 |

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 -110dBm. The details are as follows.

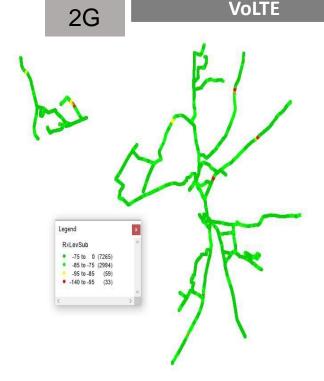
| TSP | Coverage Rate % |
|--------------|-----------------|
| Airtel 2G | 90.10% |
| BSNL 2G | 95.04% |
| VIL 2G | 91.47% |
| BSNL 3G | 95.01% |
| Airtel VoLTE | 99.96% |
| Jio VoLTE | 99.75% |
| VIL VoLTE | 99.18% |



Coverage Details

TSP-AIRTEL

| Technology | Coverage % |
|------------|------------|
| 2G | 90.10% |
| VoLTE | 99.96% |



| 2G | | | |
|--------------------|-----------|--------|-------------|
| Overall RxLevel | # Samples | % PDF | Legend s |
| [Max, >=-75] | 7265 | 70.18% | |
| [-75, >=-85) | 2994 | 28.92% | |
| [-85, >=-95) | 59 | 0.56% | |
| [-95, >=Min) | 33 | 0.34% | |
| Total | 10351 | 100% | |

VoLTE

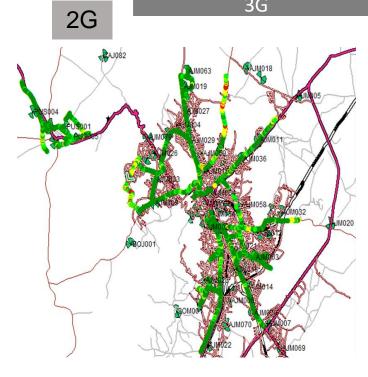


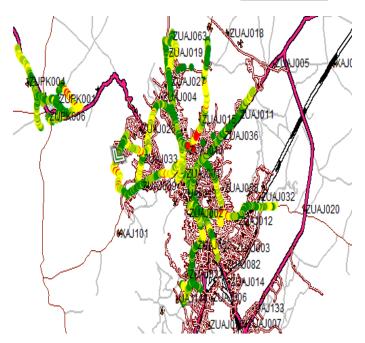
| VoLTE | | | |
|---------------|--------------|--------|---------|
| Overall RSRP | # Samples | % PDF | Legends |
| [Max, >=-80] | 7289 | 70.13% | |
| [-80, >=-90) | 2916 | 28.06% | |
| [-90, >=-110) | 184 | 1.77% | |
| [-110, >=Min) | 4 | 0.04% | |
| Total | 10393 | 100% | |

TSP-BSNL

| Technology | Coverage % |
|------------|------------|
| 2G | 95.04% |
| 3G | 95.01% |

3G



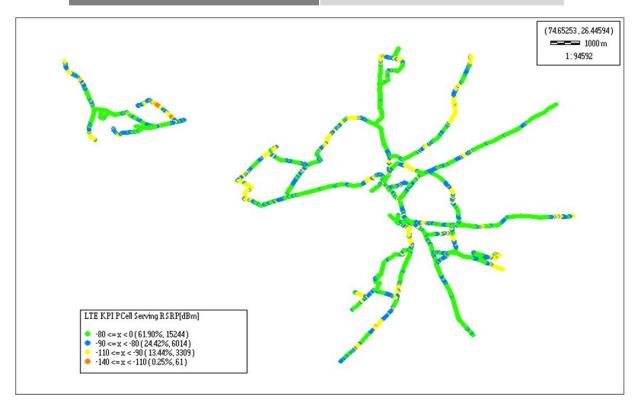


| | 2G | | | |
|-----------------|-----------|--------|---------|--|
| Overall RxLevel | # Samples | % PDF | Legends | |
| [Max, >=-75] | 10254 | 66.47% | | |
| [-75, >=-85) | 4409 | 28.57% | | |
| [-85, >=-95) | 742 | 4.81% | | |
| [-95, >=Min) | 22 | 0.14% | | |
| Total | 15427 | 100% | | |

| | 3G | | |
|--------------|-----------|--------|---------|
| Overall RSCP | # Samples | % PDF | Legends |
| [Max, >=-70] | 6477 | 40.39% | |
| [-70, >=-80) | 5210 | 32.49% | |
| [-80, >=-90) | 3547 | 22.12% | |
| [-90, >=Min) | 801 | 4.99% | |
| Total | 16035 | 100% | |

JIO

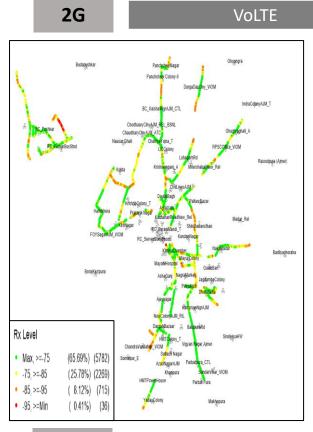
| Technology | Coverage % |
|------------|------------|
| VoLTE | 99.75 |



| | VoLTE /5G | | | |
|---------------|-----------|--------|---------|--|
| Overall RSRP | # Samples | % PDF | Legends | |
| [Max, >=-80] | 15244 | 61.90% | | |
| [-80, >=-90) | 6014 | 24.42% | | |
| [-90, >=-110) | 3309 | 13.43% | | |
| [-110, >=Min) | 61 | 0.25% | | |
| Total | 24628 | 100% | | |

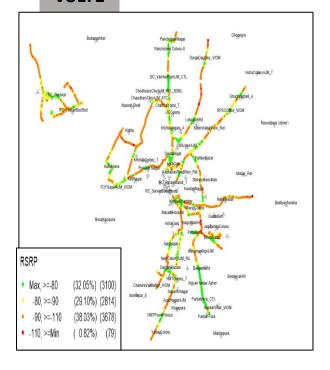
VIL

| Technology | Coverage Rate % |
|------------|-----------------|
| 2G | 91.47% |
| VoLTE | 99.18% |



| 2G | | | |
|--------------------|--------------|--------|---------|
| Overall RxLevel | # Samples | % PDF | Legends |
| [Max, >=-75] | 5782 | 65.69% | |
| [-75, >=-85) | 2269 | 25.78% | |
| [-85, >=-95) | 715 | 8.12% | |
| [-95, >=Min) | 36 | 0.41% | |
| Total | 8802 | 100% | |

VolTE

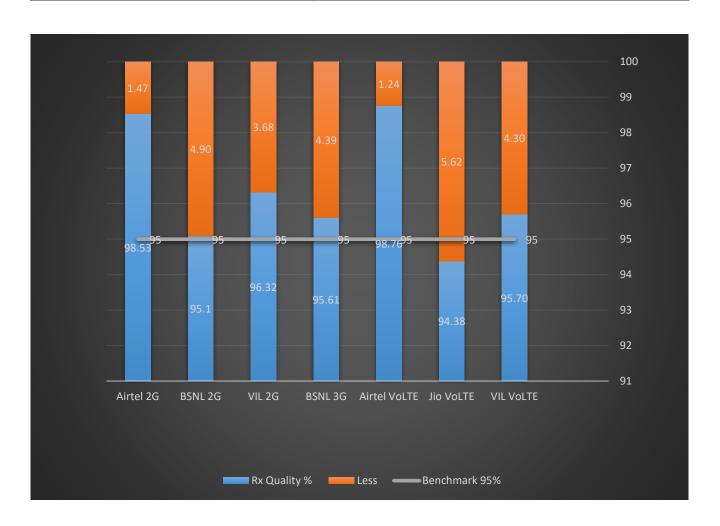


| Voltte /5G | | | |
|---------------|-----------|--------|---------|
| Overall RSRP | # Samples | % PDF | Legends |
| [Max, >=-80] | 3100 | 32.05% | |
| [-80, >=-90) | 2814 | 29.10% | |
| [-90, >=-110) | 3678 | 38.03% | |
| [-110, >=Min) | 79 | 0.82% | |
| Total | 9671 | 100% | |

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%.

| <u>TSP</u> | Rx Quality % |
|--------------|--------------|
| Airtel 2G | 98.53% |
| BSNL 2G | 95.1% |
| VIL 2G | 96.32% |
| BSNL 3G | 95.61% |
| Airtel VoLTE | 98.76% |
| Jio VoLTE | 94.38% |
| VIL VoLTE | 95.70% |



Airtel

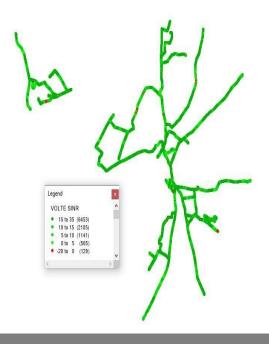
| Technology | Rx Quality % |
|------------|--------------|
| 2G | 98.53% |
| VoLTE | 98.76% |

2G



| Overall Rx Quality | # Sample s | % PDF | Legen ds |
|-----------------------|------------------|--------|-------------|
| (Min, <=2) | 5281 | 57.77% | |
| (2, <=3) | 2304 | 25.20% | |
| (3 , <=4) | 1016 | 11.11% | |
| (4 , <=5) | 407 | 4.45% | |
| (5 , <=Max) | 133 | 1.47% | |
| Total | 9141 | 100% | |

VolTE



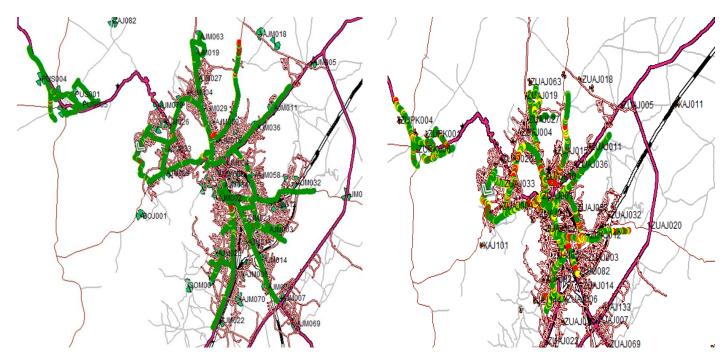
| Overall SINR | # Sample s | % PDF | Legen ds |
|--------------|------------------|--------|-------------|
| (Min, <=0) | 129 | 1.24% | |
| (0, <=5) | 565 | 5.44% | |
| (5, <=10) | 1141 | 10.98% | |
| (10, <=15) | 2105 | 20.25% | |
| (15, <=Max) | 6453 | 62.09% | |
| Total | 10393 | 100% | |

BSNL

| Technology | Rx Quality % |
|------------|--------------|
| 2G | 95.1% |
| 3G | 95.61% |

2G

3G

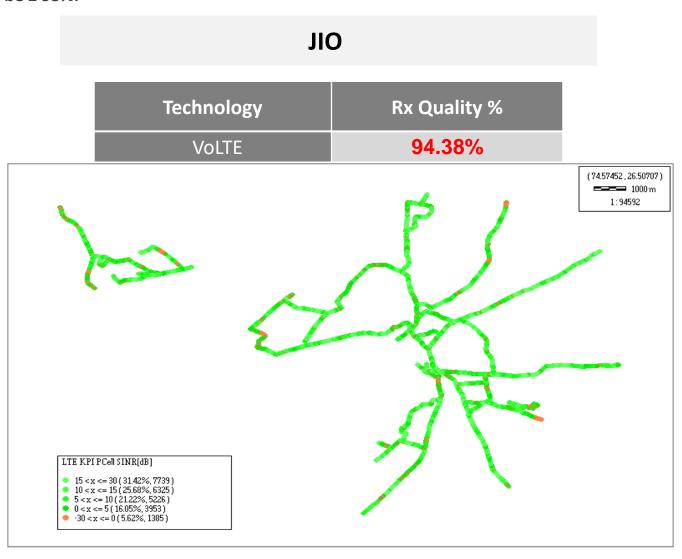


| Overall Rx Quality | # Samples | % PDF | Legends |
|--------------------|-----------|--------|---------|
| (Min, <=2) | 9483 | 83.98% | |
| (2, <=3) | 411 | 3.64% | |
| (3 , <=4) | 400 | 3.54% | |
| (4 , <=5) | 444 | 3.93% | |
| (5 , <=Max) | 554 | 4.90% | |
| Total | 11292 | 100% | |

| Overall Ec/No | # Samples | % PDF | Legends |
|---------------|-----------|-------|---------|
| (Max, <=-6) | 738 | 4.60 | |
| (-6, <=-9) | 1949 | 12.15 | |
| (-9, <=-11) | 8626 | 53.79 | |
| (-11, <=-14) | 4019 | 25.07 | |
| (-14, <= Min) | 703 | 4.39 | |
| Total | 16035 | 100% | |

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%.



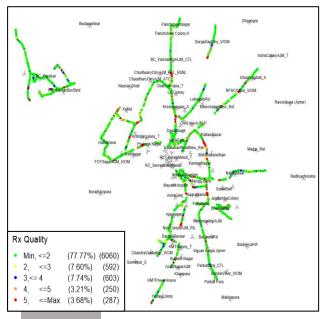
| Overall SINR | # Samples | % PDF | Legends |
|--------------|-----------|--------|---------|
| (Min, <=0) | 1385 | 5.62% | |
| (0, <=5) | 3953 | 16.05% | |
| (5, <=10) | 5226 | 21.22% | |
| (10, <=15) | 6325 | 25.68% | |
| (15, <=Max) | 7739 | 31.43% | |
| Total | 24628 | 100% | |

II. Quality Details

VIL

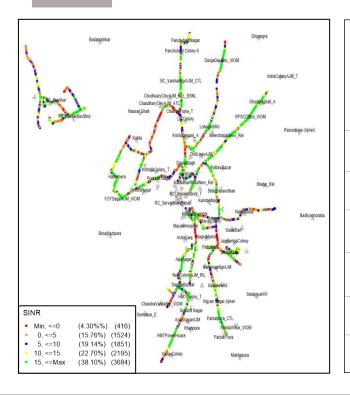
| Technology | Rx Quality % |
|------------|--------------|
| 2G | 96.32% |
| 4G | 95.70% |

2G



| Overall Rx Quality | # Samples | % PDF | Legend s |
|-----------------------|--------------|--------|-------------|
| (Min, <=2) | 6060 | 77.77% | |
| (2, <=3) | 592 | 7.60% | |
| (3 , <=4) | 603 | 7.74% | |
| (4 , <=5) | 250 | 3.21% | |
| (5 , <=Max) | 287 | 3.68% | |
| Total | 7792 | 100% | |

VolTE



| Overall SINR | # Samples | % PDF | Legend s |
|--------------|--------------|--------|-------------|
| (Min, <=0) | 416 | 4.30% | |
| (0, <=5) | 1524 | 15.76% | |
| (5, <=10) | 1851 | 1851% | |
| (10, <=15) | 2195 | 21.95% | |
| (15, <=Max) | 3684 | 36.84% | |
| Total | 9670 | 100% | |

III. Technology Details

| TSP | % of Time Spent on 3G/VoLTE |
|--------------|-----------------------------|
| BSNL 3G | 16.61% |
| Airtel VoLTE | 100.00% |
| Jio VoLTE | 100.00% |
| VIL VoLTE | 100.00% |



Technology Details 25