



प्रभावी विनियमन - सुगम संचार
Effective Regulation - Ease of Communication

Operator Assisted Drive Test Report

Maheswar City and nearby Area

7/11/2022 to 7/11/2022

By

TRAI Regional Office Bhopal

The Operator Assisted Drive Test has been carried out by Regional Office, Bhopal with the help of Telecom Service Providers for Maheswar City as per following schedule.

TSP	Date	Duration	Route Km	No. of Calls
Airtel	10/11/2022 to 11/11/2022	9AM to 8PM	100	115
BSNL	9/11/2022	9AM to 8PM	34	69
JIO	10/11/2022	9AM to 8PM	14	526
VIL	7/11/2022	9AM to 8PM	40	99



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The Operator Assisted Drive Test has been carried out by Regional Office, Bhopal with the help of Telecom Service Providers for Maheswar City from 9:00 AM to 8:00 PM from 07/11/2022 to 11/11/2022. The drive test covered drive route of around avg 47 KMs. Approximately ...91/99. calls were made for each of the 2G/3G/4G.

TSP	Network tested
Airtel	2G & VoLTE
BSNL	2G & 3G
JIO	VoLTE
VIL	2G, & VoLTE

Key Performance Indicators:

KPI	Benchmark	Airtel Observations
Block call rate %	≤3%	2G-0, VoLTE- 1.72
Drop call rate %	≤2%	2G-1.85, VoLTE-1.752
CSSR %	≥95 %	2G-100%, VoLTE-98.28%
Mobility HOSR %	≥95%	2G-98.48, VoLTE-99.85%
Good RX Quality %	≥95%	2G-98.47%, VoLTE-74.59%

Key Performance Indicators

KPI	Benchmark	BSNL Observations
Block call rate %	$\leq 3\%$	Within Benchmark
Drop call rate %	$\leq 2\%$	Within Benchmark
CSSR %	$\geq 95\%$	Within Benchmark
Mobility HOSR %	$\geq 95\%$	Within Benchmark
Good RX Quality %	$\geq 95\%$	Within Benchmark

KPI	Benchmark	JIO Observations
Block call rate %	$\leq 3\%$	VoLTE-0
Drop call rate %	$\leq 2\%$	VoLTE-0
CSSR %	$\geq 95\%$	VoLTE-100%
Mobility HOSR %	$\geq 95\%$	VoLTE-99%
Good RX Quality %	$\geq 95\%$	VoLTE- 90.78%

KPI	Benchmark	VIL Observations
Block call rate %	$\leq 3\%$	2G – 1.1% & VOLTE – 1.01%
Drop call rate %	$\leq 2\%$	2G – 0% & VOLTE – 0%
CSSR %	$\geq 95\%$	2G – 98.90% & VOLTE – 98.99%
Mobility HOSR %	$\geq 95\%$	2G – 97.51% & VOLTE – 98.42%
Good RX Quality %	$\geq 95\%$	2G – 98.48% & VOLTE – 97.22%

Overview

Regional Office, TRAI Bhopal conducted Operator Assisted Drive Test. 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:

- i. 2G – measurement – UE Locked in 2G
- ii. 3G – measurement – UE in Dual mode (2G and 3G)
- iii. 4G – measurement – UE in Free mode

Calls were made for the **90-sec** duration with a wait time of **10 sec** between calls in all technologies.

Data Tests:

Dynamic data – repeat data file download (to check throughput on the entire route)

- i. 2G – measurement – UE Locked in 2G file size- 500KB
- ii. 3G – measurement – UE in 3G File Size- 20MB
- iii. 4G – measurement – UE in LTE File Size- 40MB

Static Data: Download and Upload Throughputs, Web Browsing Delay, Video Streaming Delay, and Latency

- i. Download- 2G - 500KB ,3G - 20 MB, 4G - 40MB
- ii. Upload - 2G -100KB ,3G - 5 MB, 4G - 10MB
- iii. Web browsing - 3 links of e-commerce websites <https://www.amazon.in>, <https://www.flipkart.com>, <https://paytm.com>.
- iv. Video Streaming – 130 sec clip (only in 3G and LTE)
- v. Latency – 32 Bytes on www.google.com.

Overview Airtel

Voice & Dynamic Data Test Drive Route



List of important area covered during the drive test

Maheshwar ghat

Bus stand

Main market

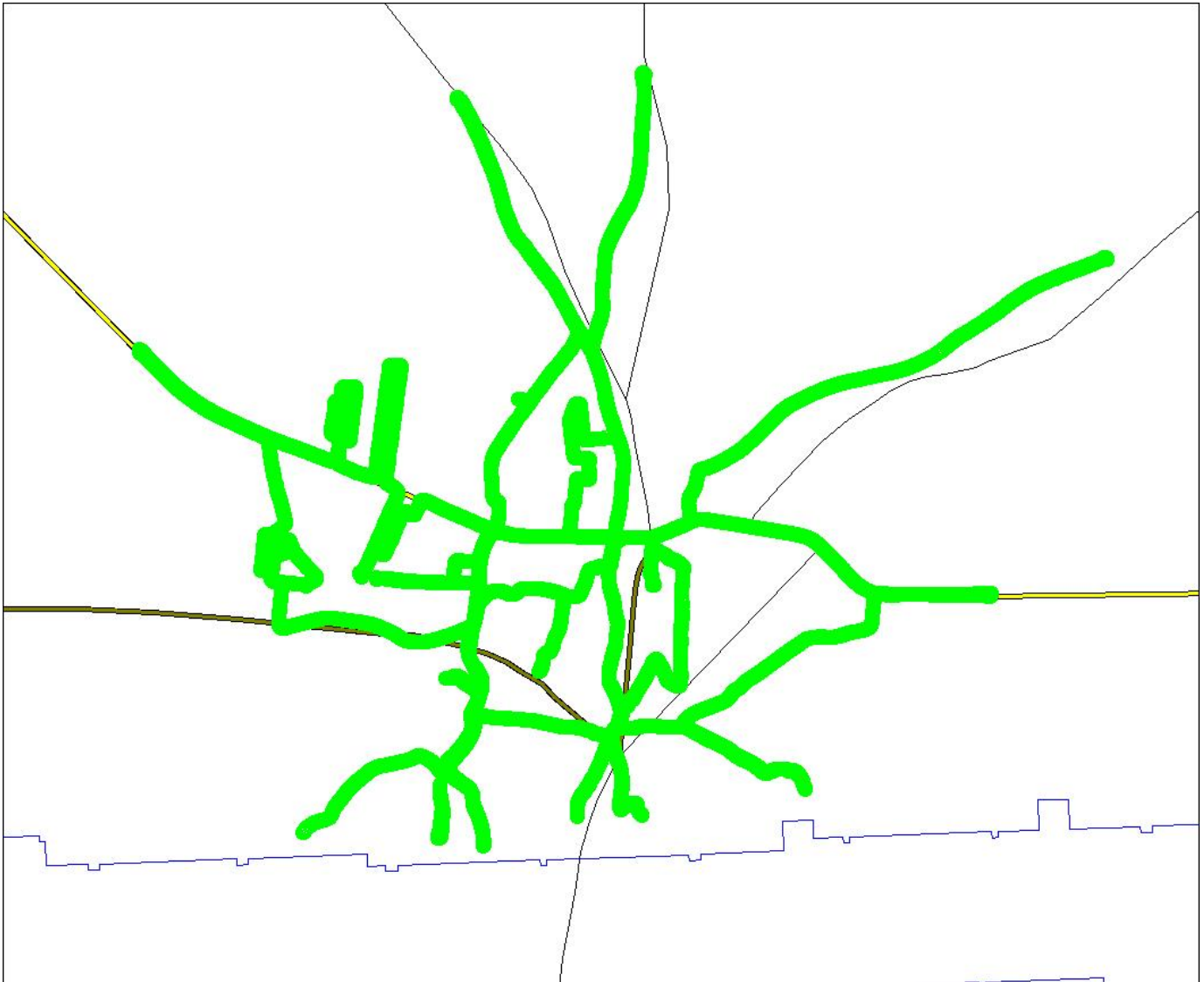
MP Tourism

Maheshwar Fort

Rajeshwari temple

Rajwada

Voice & Dynamic Data Test Drive Route



List of important area covered during the drive test

Bus Stand Area

Maheshwar Fort Area

Mahatma Gandhi Road, Dhamnod Road

Vrandavan Colony

Mahalaxmi Nagar, Sahastradhara Road

Lakshmi Bai Marg, Sukh Sagar Colony

Mominpura, Dhapala Marg

Overview Reliance JIO

Voice & Dynamic Data Test Drive Route



List of important area covered during the drive test

Jai satambh, Bus stand, Maheshwer Market, Fort area, Maheshwer resort, police station,
Maheshwer govt hospital, hotel devraj, jail

Overview VIL

Voice & Dynamic Data Test Drive Route



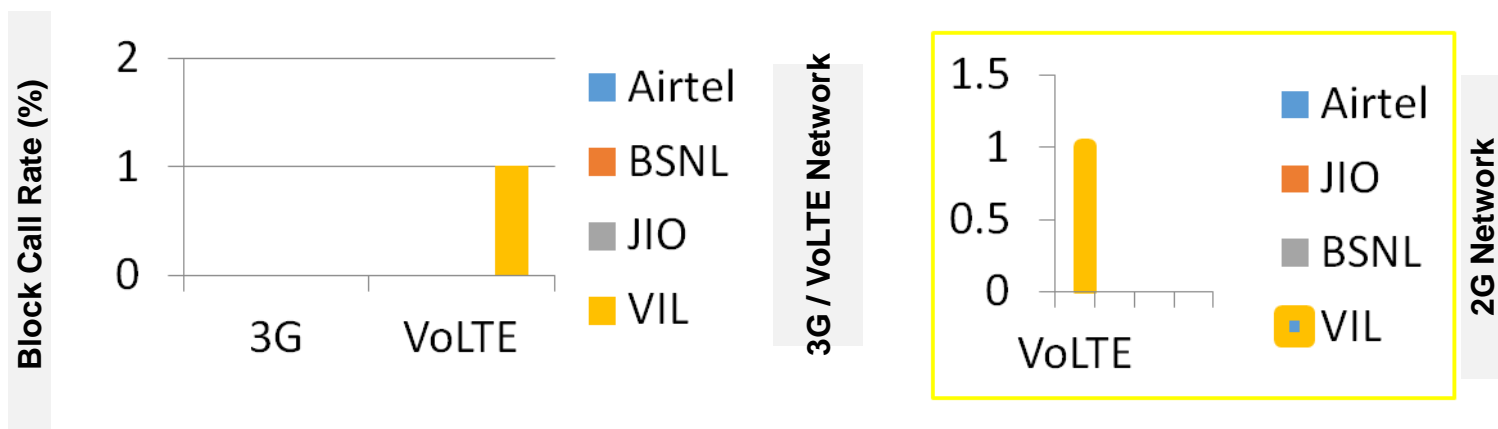
Paste list of important area covered during the drive test

Dhamnod Rd, MG Rd ,Govt Jail , Mahetwada Rd, Panchwati Colony
Nikunj Vihar Colony,Vallabh Vihar Colony, Pandrinath marg ,
Tilak Marg , Maheshwar , Mali mohalla , Ayodhya Basti
Bazaar chowk , Mahatma Gandhi Marg , Mominpura
Tilak Marg, Kamani Gate By pass , Ram Singh Ustad Marg
Sahastrarjun Marg , Jai Stambh Sqr MG Rd.
Maheswar Fort, MP Tourism Resort Narmada Resort.

Voice Calls

Key Observations

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



KPIs	2G			3G		VoLTE		
	Airtel	BSNL	VIL	BSNL	VIL	Airtel	RJIL	VIL
Drop Call Rate %	1.85	0	0	1.52%	NA	1.75	0	0
Block Call Rate %	0	0	1.1	0	NA	0	0	1.01

- All TSPs have met the 2% QOS benchmark of Drop Call Rate (DCR%) except.....
- 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 %	53.96%	95.63%	92.51%

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

TSPs	3G	
	BSNL	VIL
Coverage %	96.01%	NA

b) Percentage of coverage samples for LTE \geq -110 dBm.

TSPs	VoLTE		
	Airtel	JIO	VIL
Coverage %	98.10%	98.24%	98.80%

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

TSPs	3G		VoLTE		
	BSNL	VIL	Airtel	VIL	JIO
Time Spent on 3G/4G %	95.65%	NA	100%	90.82%	100%

Data Services Dynamic

Key Observations

In Dynamic Data test Download Throughput was tested.

Data Download Performance (kbps) - Dynamic

TSP (For 2G)	Airtel	BSNL	JIO	VIL
Average Download throughput- 2G iin Kbps	-	202 Kbps	NA	NA
Average Download throughput- 3G iin Mbps	-	2.65 Mbps	NA	NA
Average Download throughput-LTE iin Mbps	-	NA	7.24mbps	14.71mbps

Summary

City Level Summary- Voice

TSP (For 2G)	Airtel	BSNL	JIO	VIL
Call attempts	54	69	NA	91
Block call rate %	0	0.0 %	NA	1.1%
CSSR %	100	100 %	NA	98.90%
Drop call rate %	1.85	0.0 %	NA	0.00%
Mobility HOSR %	98.48	100 %	NA	97.51%
RX Quality %	98.47	99.48 %	NA	98.48%
Average CST (Sec)	3.95	2.2 Sec	NA	2.42

TSP (For 3G)	Airtel	BSNL	JIO	VIL
Call attempts	NA	66	NA	NA
Block call rate %	NA	0.0 %	NA	NA
CSSR %	NA	100 %	NA	NA
Drop call rate %	NA	1.52 %	NA	NA
Mobility HOSR %	NA	98.32 %	NA	NA
RX Quality %	NA	95.26 %	NA	NA
Average CST (Sec)	NA	2.1 sec	NA	NA

TSP (For VoLTE)	Airtel	BSNL	JIO	VIL
Call attempts	58	NA	62	99
Block call rate %	1.72	NA	-	1.01%
CSSR %	98.28	NA	100%	98.99%
Drop call rate %	1.75	NA	0%	0.00%
Mobility HOSR %	99.85	NA	99%	98.42%
RX Quality %	74.59	NA	90.78%	97.22%
Average CST(Sec)	0.64	NA	1.62	1.10

Summary

City Level Summary- Data Services -Static

TSP (For 2G)	Airtel	BSNL	JIO	VIL
Download throughput in Kbps	NA	236	NA	NA
Upload Throughput in Kbps	NA	125	NA	NA
Web browsing delay in second	NA	11	NA	NA
Latency in (msec)	NA	156	NA	NA

TSP (For 3G)	Airtel	BSNL	JIO	VIL
Download throughput in Mbps	NA	4.71	NA	NA
Upload Throughput in Mbps	NA	1.44	NA	NA
Video streaming delay in sec	NA	1.03	NA	NA
Web browsing delay in second	NA	3.67	NA	NA
Latency in (msec)	NA	73	NA	NA

TSP (For LTE)	Airtel	BSNL	JIO	VIL
Download throughput in Mbps	3.92	NA	9.79	15.07
Upload Throughput in Mbps	3.33	NA	5.85	9.19
Video streaming delay in sec	NA	NA	1.18	0.2
Web browsing delay in second	NA	NA	3.00	3.3
Latency in (msec)	NA	NA	56	69

Coverage Details

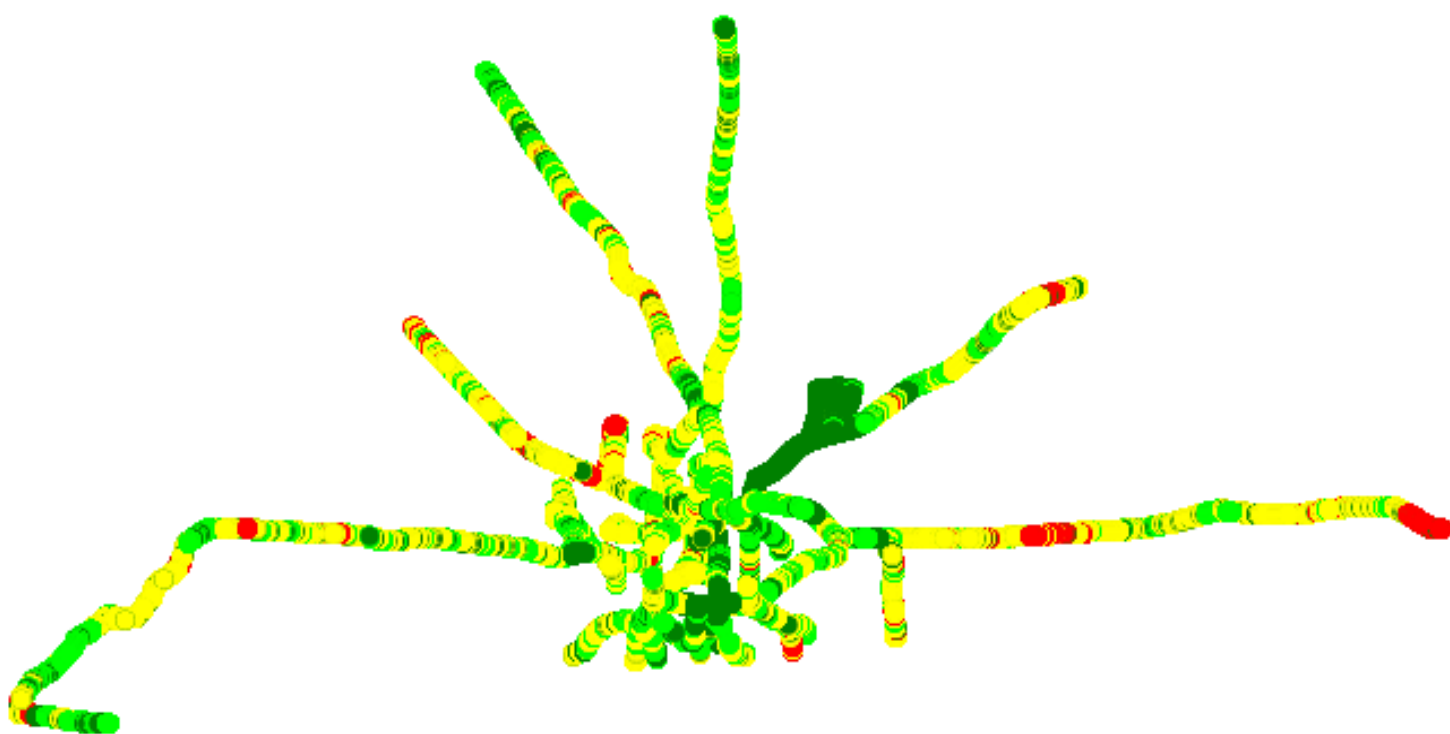
RF Coverage relates to the geographical footprint within the system that has sufficient RF signal strength to provide for a call session. The Coverage rate is calculated on the basis of % of samples in which the Rx level \geq -85 dBm, RSCP is \geq -90 dBm & RSRP \geq -110dBm. The details are as follows.

TSP	Coverage Rate %
Airtel 2G	53.96%
BSNI 2G	95.63%
VIL 2G	92.51%
BSNL 3G	96.01%
VIL 3G	NA
Airtel VoLTE	98.10%
Jio VoLTE	98.26
VIL VoLTE	98.80%

Coverage Details

TSP- Airtel

Technology	Coverage %
2G	53.96



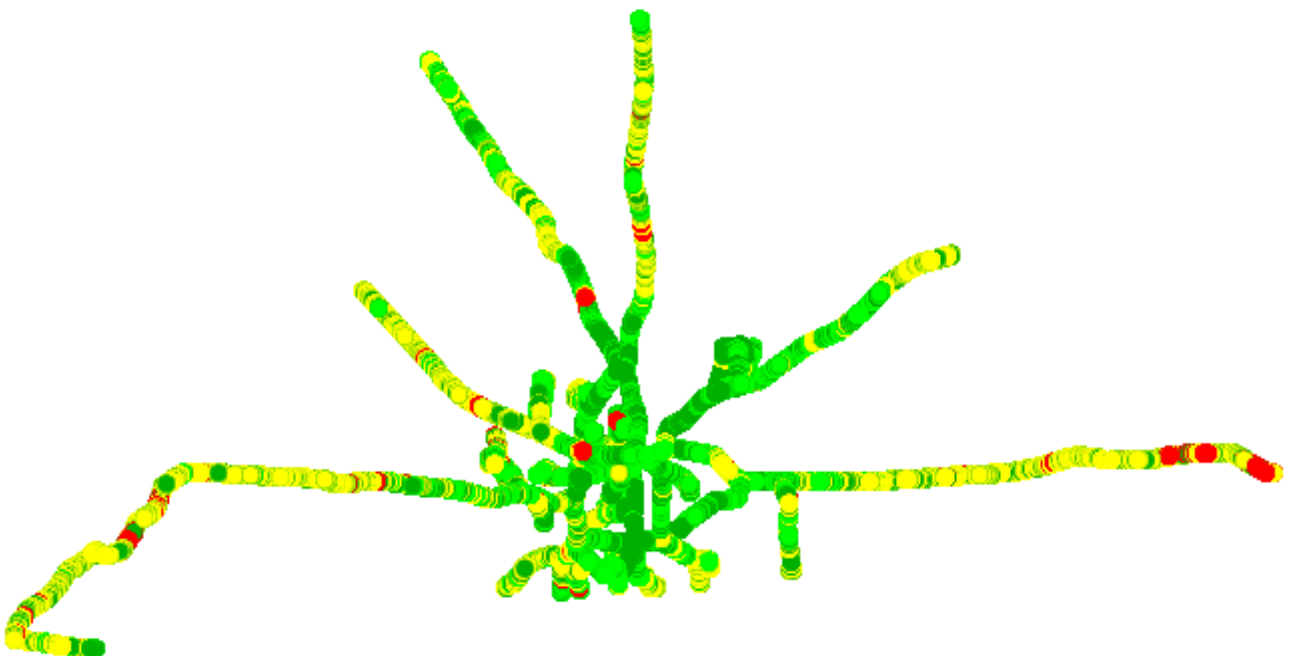
2G

Overall RxLevel	# Samples	% PDF	Legends
[Max, >=-75]	249330	21.98	
[-75, >=-85)	362684	31.98	
[-85, >=-95)	483004	42.59	
[-95, >=Min)	39193	3.46	
Total	1134211	100	

Coverage Details

TSP- Airtel

Technology	Coverage %
VoLTE	98.10

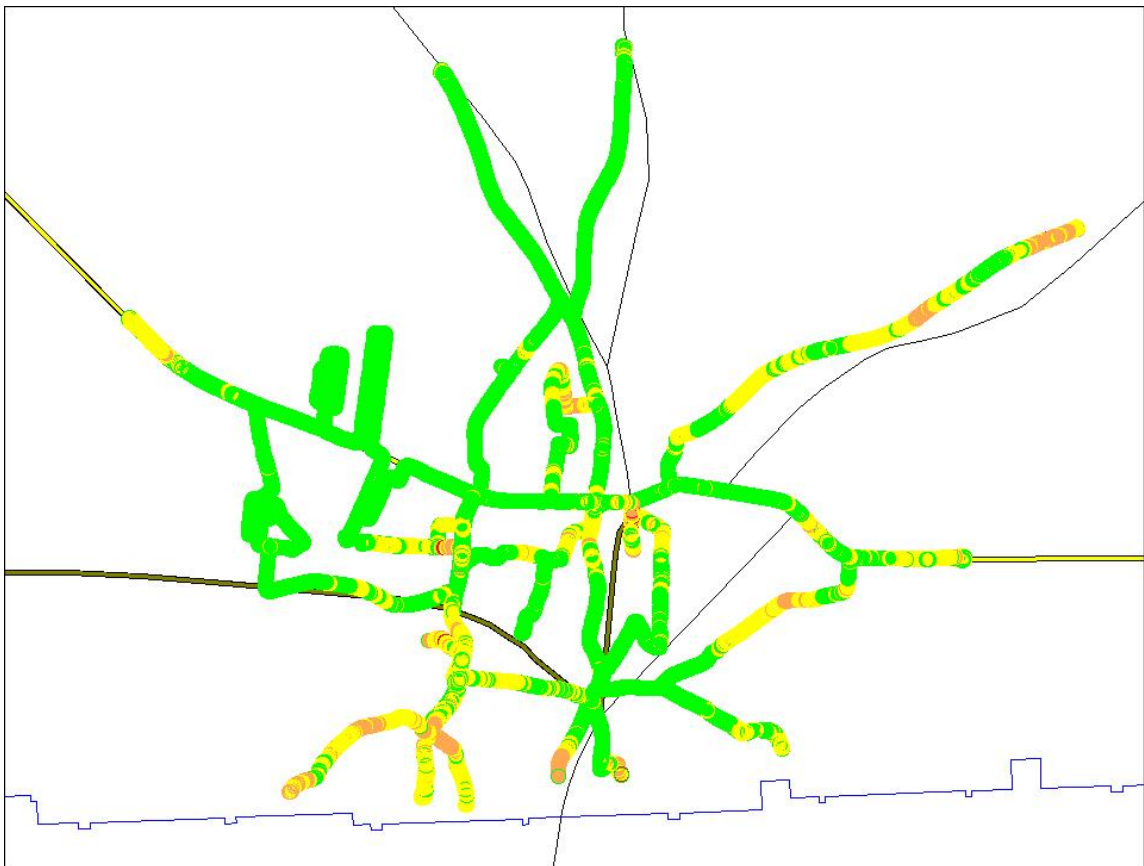


VoLTE			
Overall RSRP	# Samples	% PDF	Legends
[Max, >=-80]	716584	35.67	
[-80, >=-90)	720825	35.87	
[-90, >=-110)	533586	26.56	
[-110, >=Min)	38134	1.90	
Total	2009129	100	

Coverage Details

TSP-BSNL

Technology	Coverage %
2G	100 %

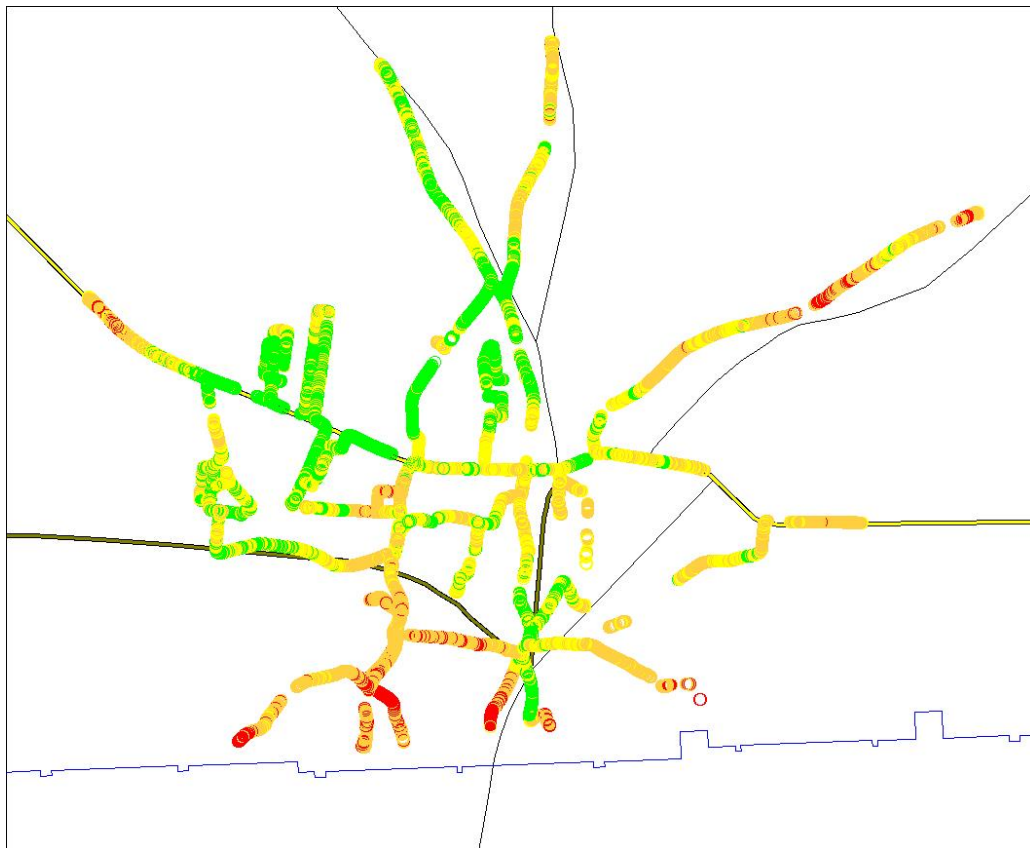


2G			
Overall RxLevel	# Samples	% PDF	Legends
[Max, >=-75]	145571	68.27%	
[-75, >=-85)	55338	27.36%	
[-85, >=-95)	11736	4.10%	
[-95, >=Min)	582	0.27%	
Total	213227	100.00%	

Coverage Details

TSP- BSNL

Technology	Coverage %
3G	100 %

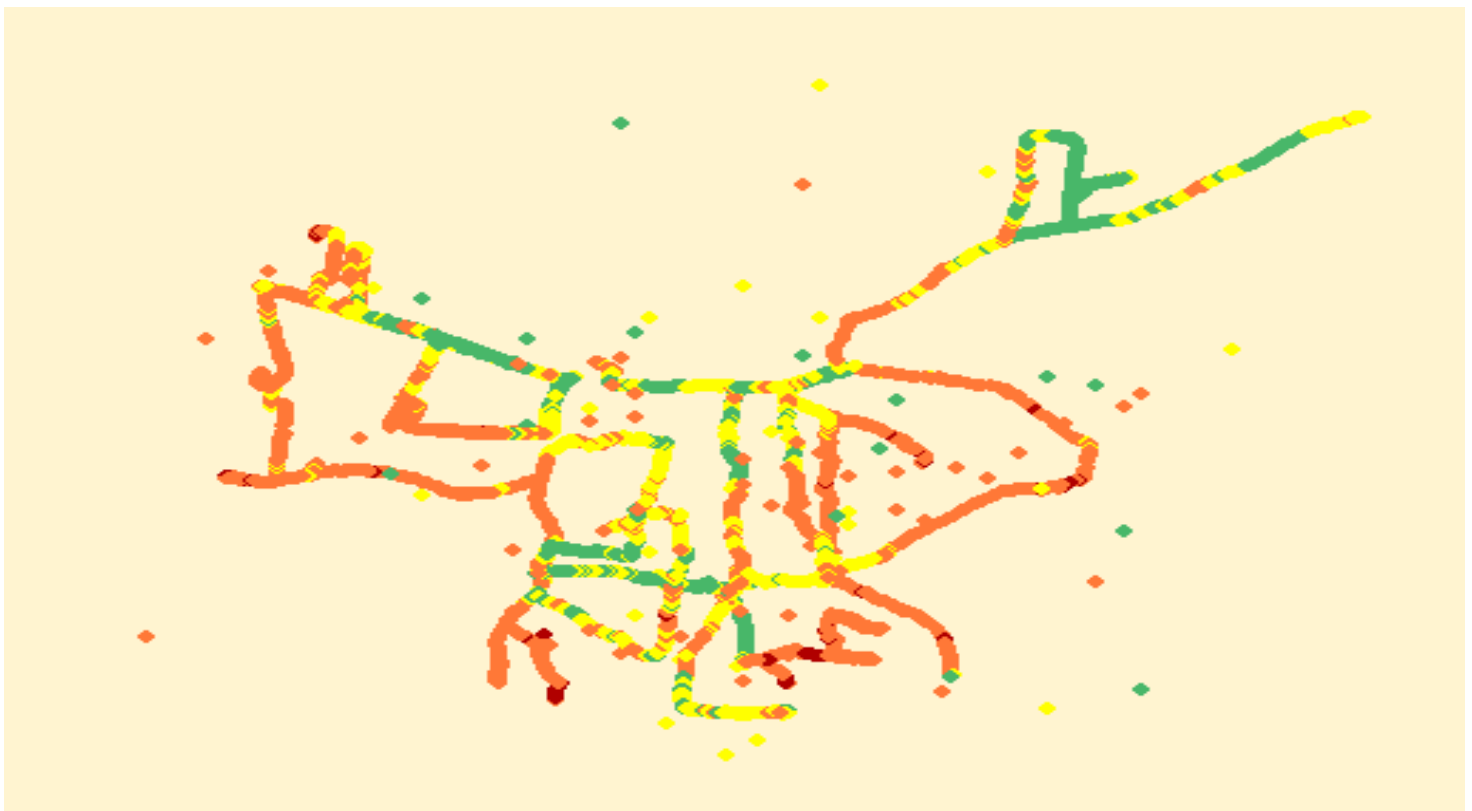


3G			
Overall RSCP	# Samples	% PDF	Legends
[Max, >=-70]	62729	27.01%	
[-70, >=-80)	82853	35.68%	
[-80, >=-90)	77368	33.32%	
[-90, >=Min)	9258	3.99%	
Total	232208	100.00%	

Coverage Details

TSP Jio

Technology	Coverage %
VoLTE	98.24%

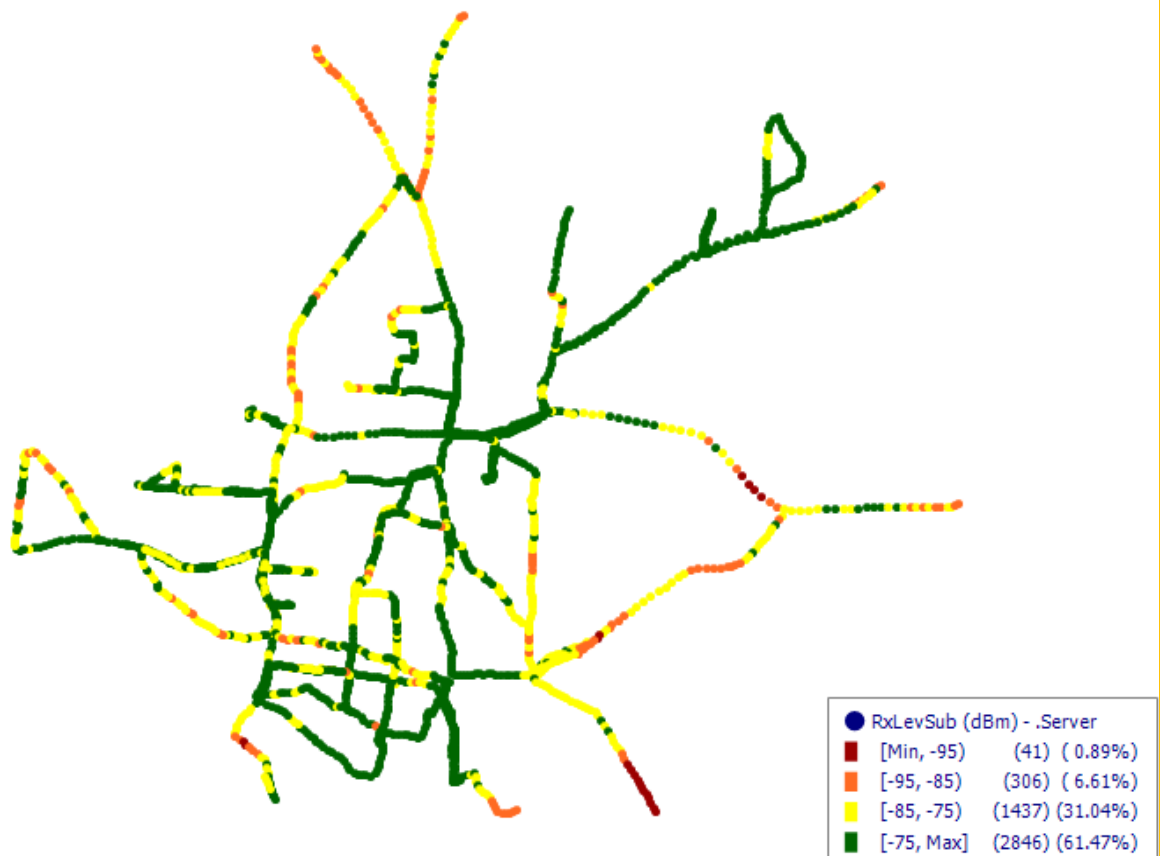


VoLTE			
Overall RSRP	# Samples	% PDF	Legends
[Max, >=-80]	1468	20.53%	
[-80, >=-90)	2088	29.20%	
[-90, >=-110)	3468	48.50%	
[-110, >=Min)	126	1.76%	
Total	7150	100%	

Coverage Details

TSP- VIL

Technology	Coverage %
2G	92.51%

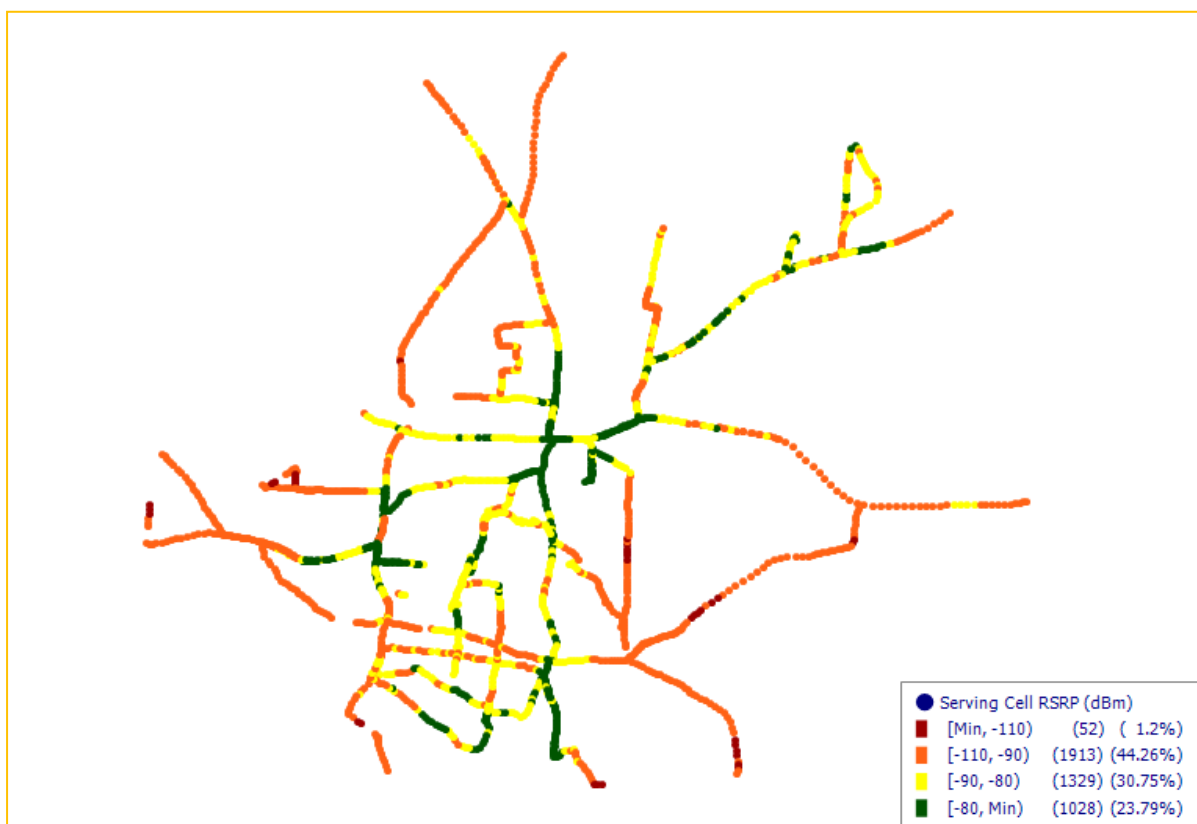


2G			
Overall RxLevel	# Samples	% PDF	Legends
[Max, >=-75]	2846	61.47%	
[-75, >=-85)	1437	31.04%	
[-85, >=-95)	306	6.61%	
[-95, >=Min)	41	0.89%	
Total	4630	100%	

Coverage Details

TSP- VIL

Technology	Coverage %
VoLTE	98.80%



VoLTE			
Overall RSRP	# Samples	% PDF	Legends
[Max, >=-80]	1028	23.79%	
[-80, >=-90)	1329	30.75%	
[-90, >=-110)	1913	44.26%	
[-110, >=Min)	52	1.2%	
Total	4322	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 $\geq 95\%$.

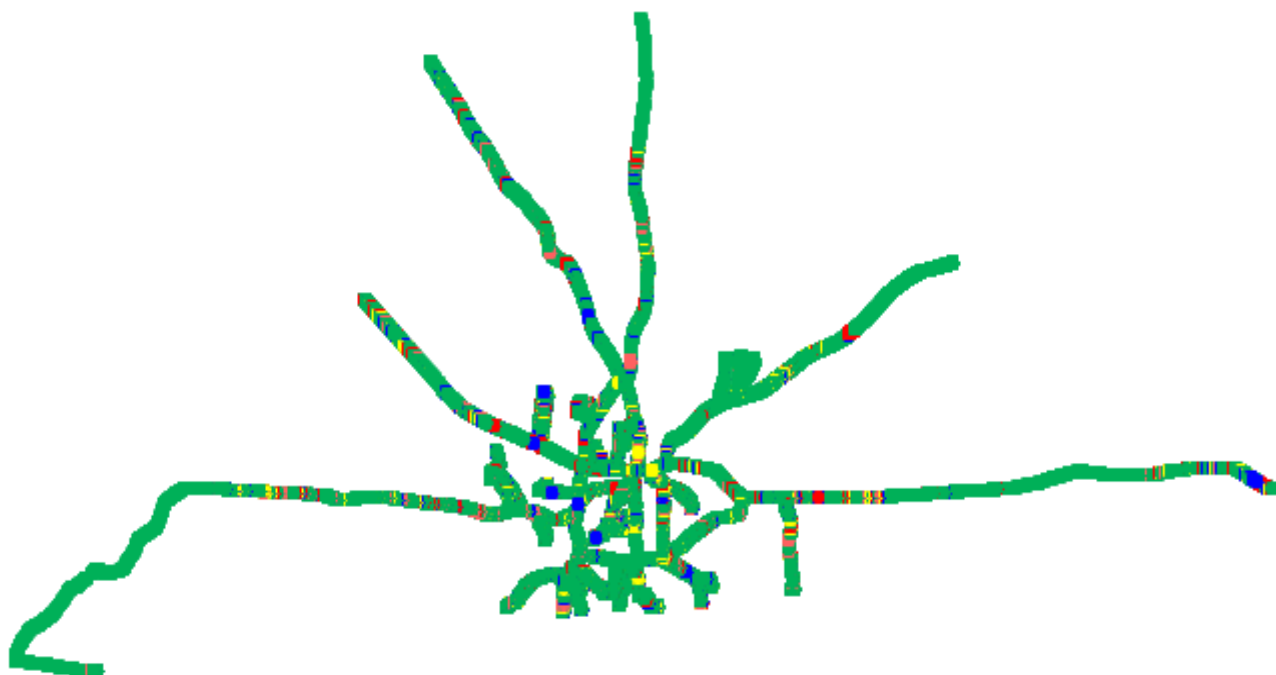
TSP	Rx Quality %
Airtel 2G	98.47%
BSNI 2G	99.48%
VIL 2G	98.48%
BSNL 3G	95.26%
VIL 3G	NA
Airtel VoLTE	74.69%
Jio VoLTE	90.78%
VIL VoLTE	97.22%

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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- Airtel

Technology	Rx Quality %
2G	98.47



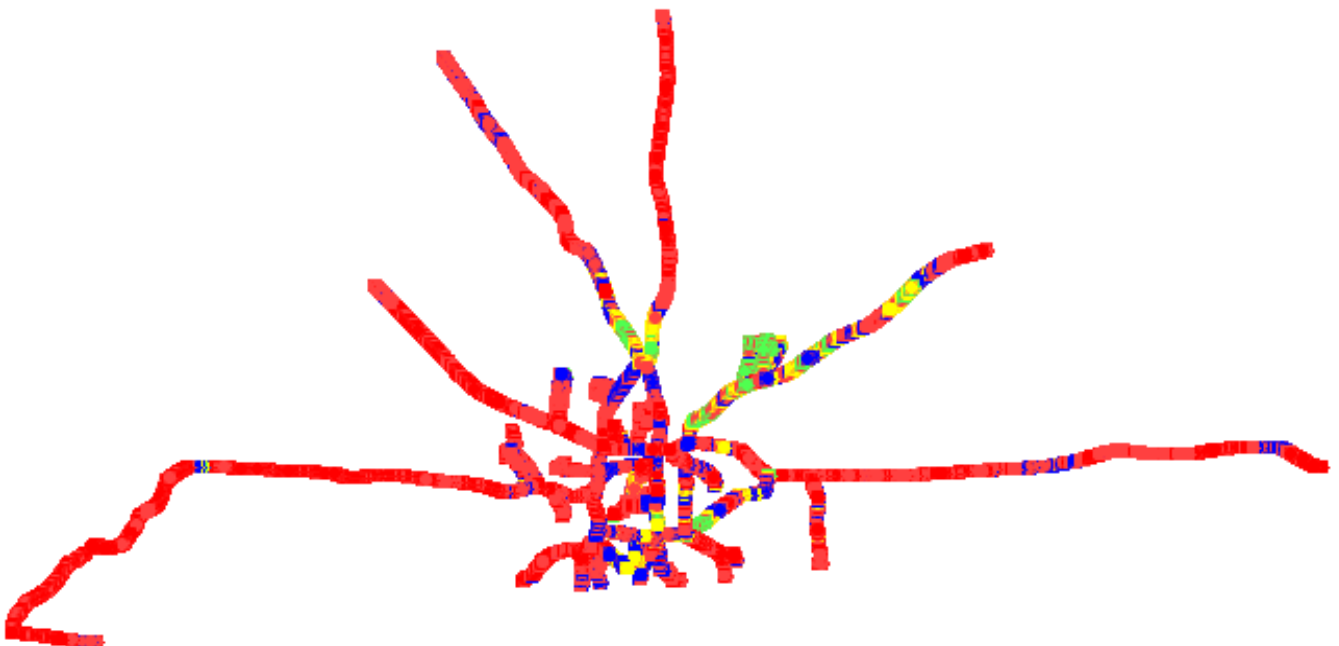
Overall Rx Quality	# Samples	% PDF	Legends
(Min, ≤ 2)	958716	84.53	
(2, ≤ 3)	49225	4.34	
(3, ≤ 4)	46987	4.14	
(4, ≤ 5)	61891	5.46	
(5, $\leq \text{Max}$)	17391	1.53	
Total	1134211	100	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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- Airtel

Technology	Rx Quality %
VoLTE	74.59



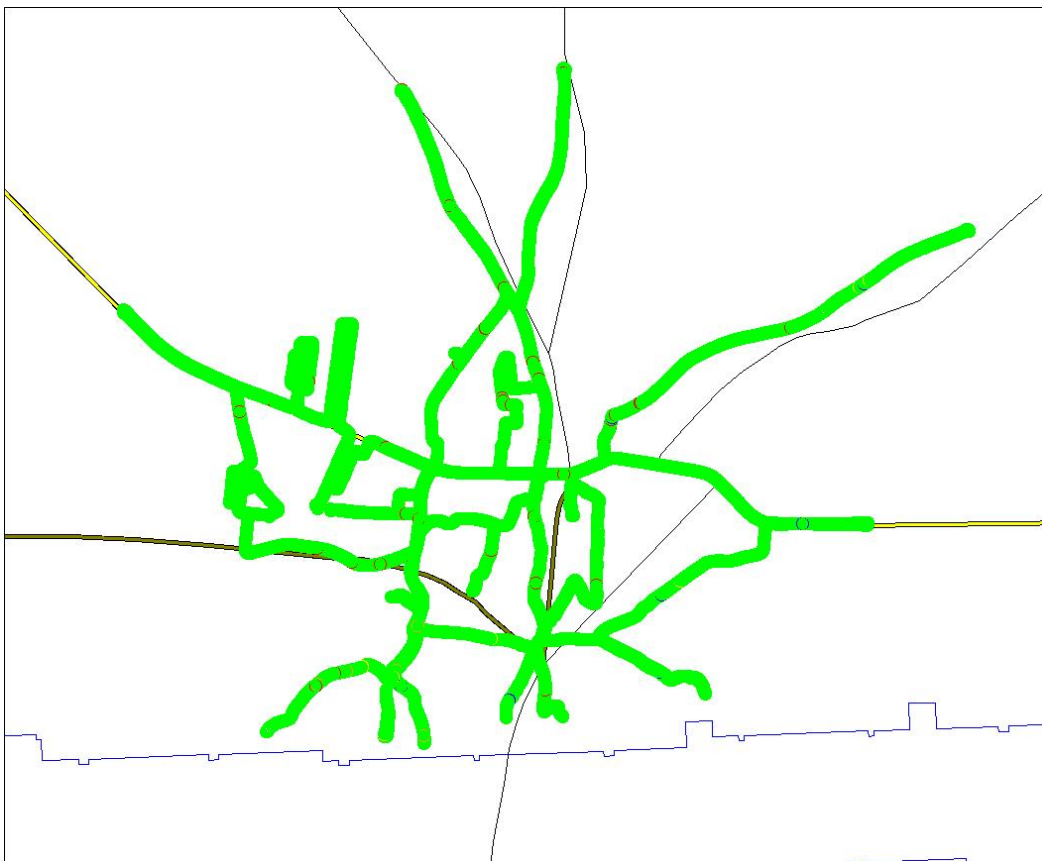
Overall SINR	# Samples	% PDF	Legends
(Min, ≤ 0)	510480	25.41	
(0, ≤ 5)	997610	49.65	
(5, ≤ 10)	274798	13.68	
(10, ≤ 15)	143938	7.16	
(15, $\leq \text{Max}$)	82303	4.10	
Total	2009129	100	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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-BSNL

Technology	Rx Quality %
2G	99.48 %



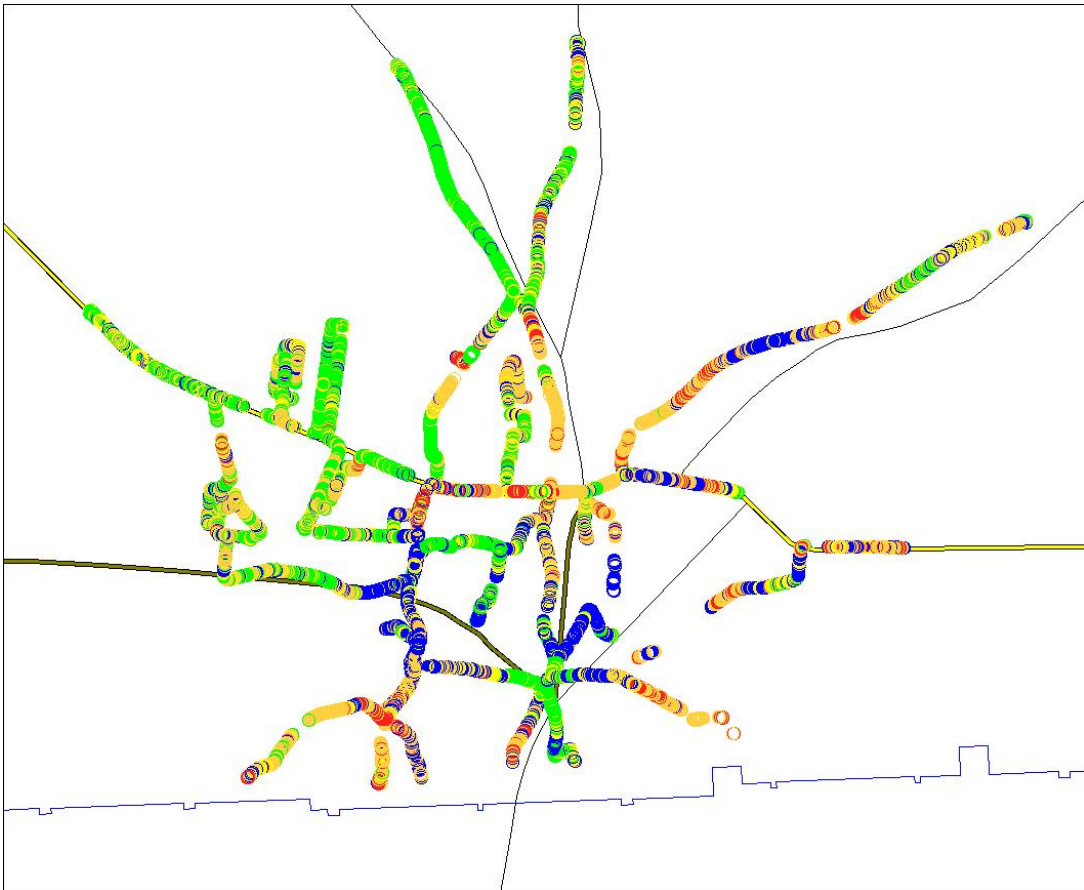
Overall Rx Quality	# Samples	% PDF	Legends
(Min, ≤ 2)	1148494	99.03%	
(2, ≤ 3)	1965	0.17%	
(3, ≤ 4)	1958	0.17%	
(4, ≤ 5)	1273	0.11%	
(5, $\leq \text{Max}$)	6051	0.52%	
Total	1159741	100.00%	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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-BSNL

Technology	Rx Quality %
3G	95.26 %



Overall Ec/No	# Samples	% PDF	Legends
(Max, ≤ -6)	66395	28.58%	Green
(-6, ≤ -9)	39042	16.81%	Yellow
(-9, ≤ -11)	48110	20.71%	Blue
(-11, ≤ -14)	67728	29.16%	Orange
(-14, \leq Min)	11001	4.74%	Red
Total	232276	100.00%	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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- Jio

Technology	Rx Quality %
VoLTE	90.78%



Overall SINR	# Samples	% PDF	Legends
(Min, ≤ 0)	659	9.22%	
(0, ≤ 5)	1481	20.71%	
(5, ≤ 10)	1703	23.82%	
(10, ≤ 15)	1766	24.7%	
(15, $\leq \text{Max}$)	1541	21.55%	
Total	7150	100%	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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- VIL

Technology	Rx Quality %
2G	98.48%



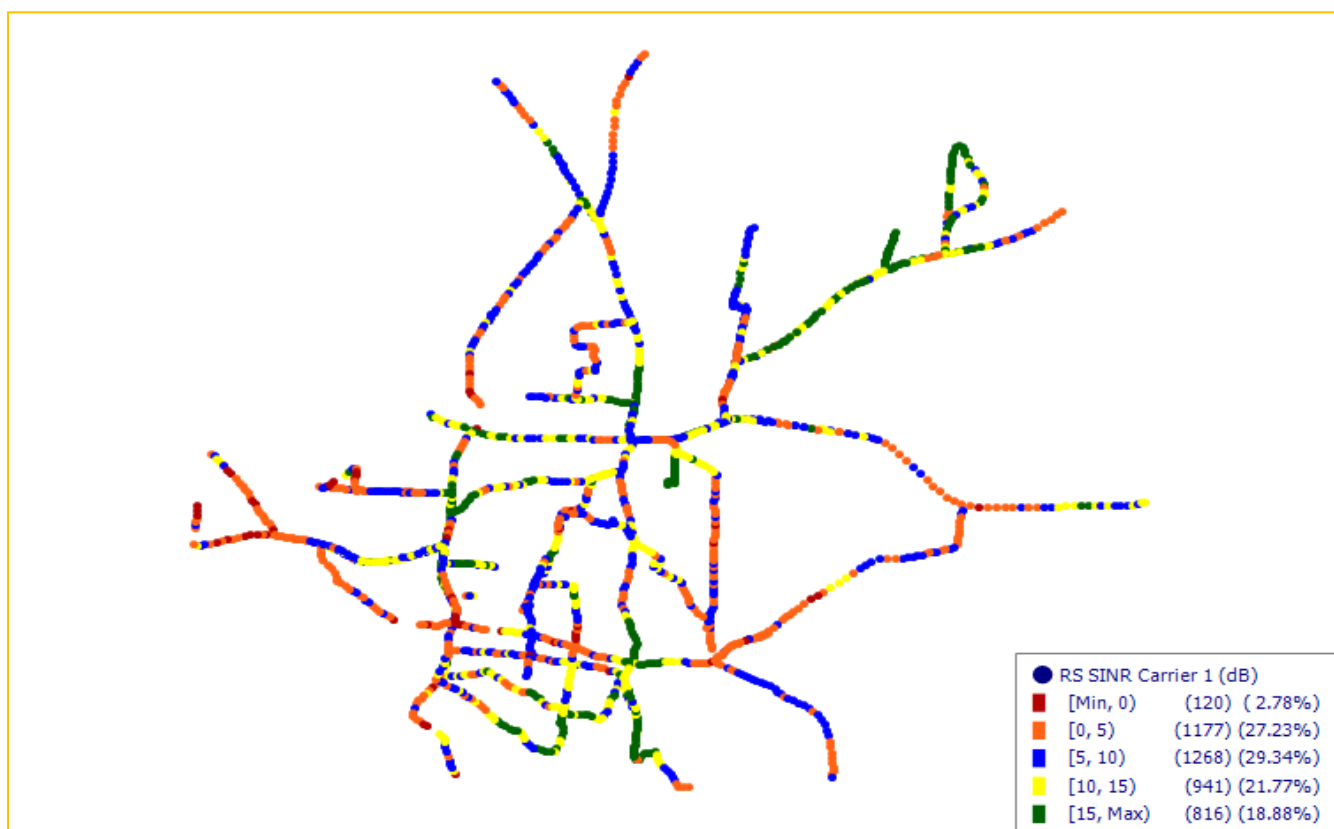
Overall Rx Quality	# Samples	% PDF	Legends
(Min, ≤ 2)	3548	86.45%	
(2, ≤ 3)	196	4.78%	
(3 , ≤ 4)	223	5.43%	
(4 , ≤ 5)	75	1.82%	
(5 , $\leq \text{Max}$)	62	1.51%	
Total	4104	100%	

Quality Details

For measuring voice quality, as per the QoS norms, RxQual ≤ 5 for GSM TSPs, EcNo ≥ -14 dBm for 3G TSP and SINR > 0 in case of 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-VIL

Technology	Rx Quality %
VoLTE	97.22%

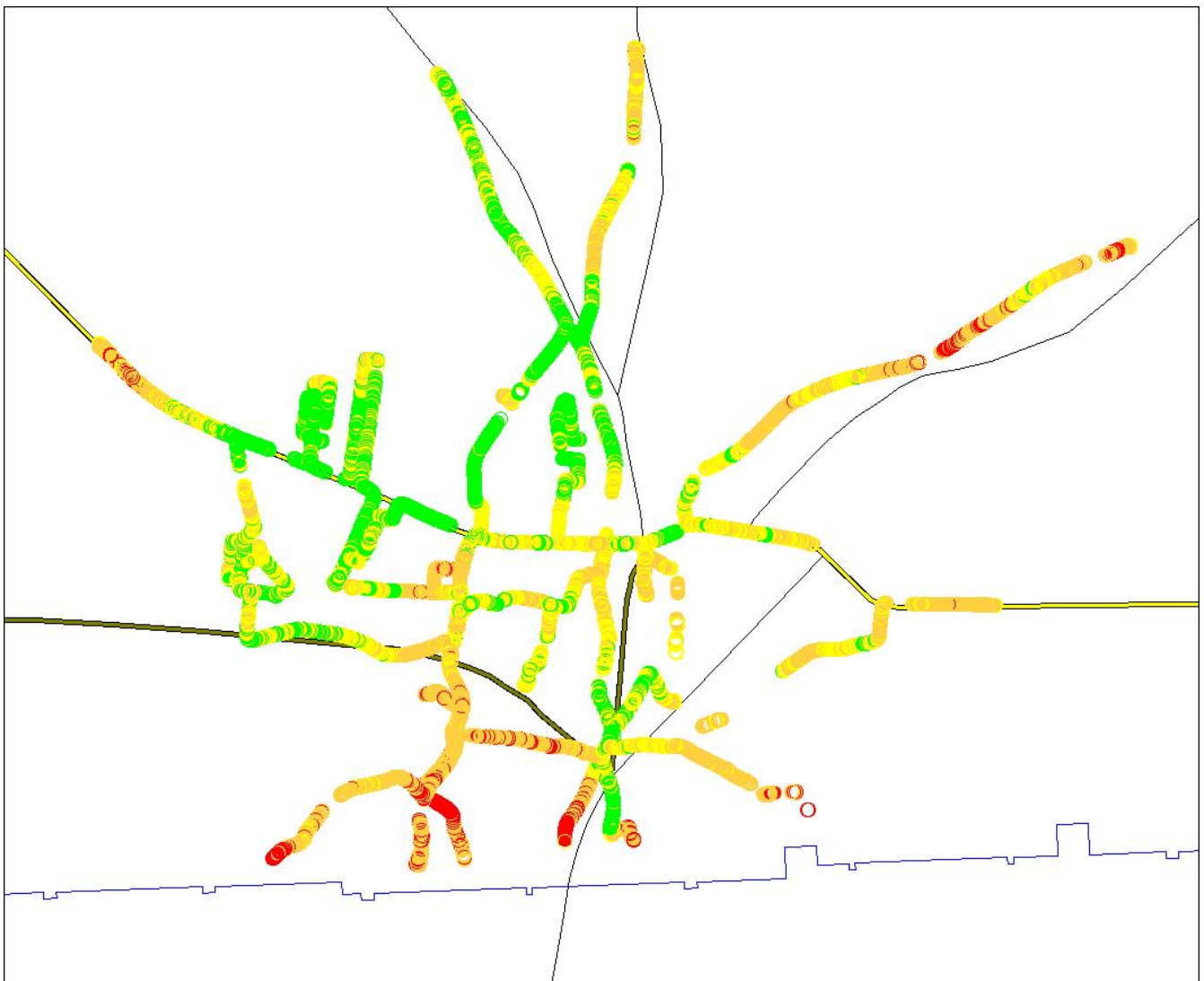


Overall SINR	# Samples	% PDF	Legends
(Min, ≤ 0)	120	2.78%	
(0, ≤ 5)	1177	27.23%	
(5, ≤ 10)	1268	29.34%	
(10, ≤ 15)	941	21.77%	
(15, $\leq \text{Max}$)	816	18.88%	
Total	4322	100%	

TSP	% of Time Spent on 3G/VoLTE
BSNL 3G	NA
VIL Non Volte	9.18%
Airtel VoLTE	100%
Jio VoLTE	100%
VIL VoLTE	90.82%

TSP-BSNL

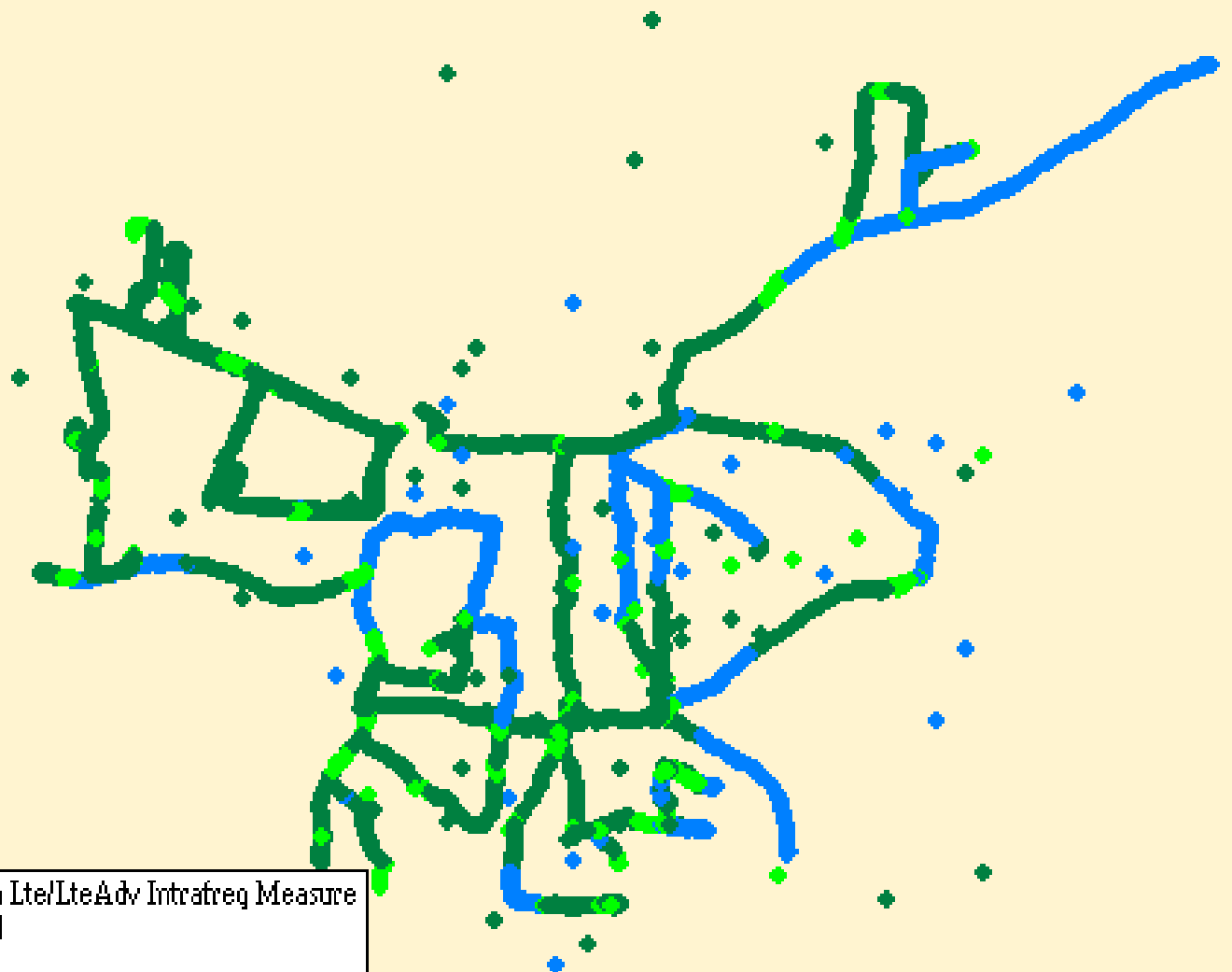
Technology	% of Time Spent on
3G	95.65 %
VoLTE	NA



Technology Details

TSP- JIO

Technology	% of Time Spent on
3G	NA
VoLTE	100%



Technology Details

TSP- VIL

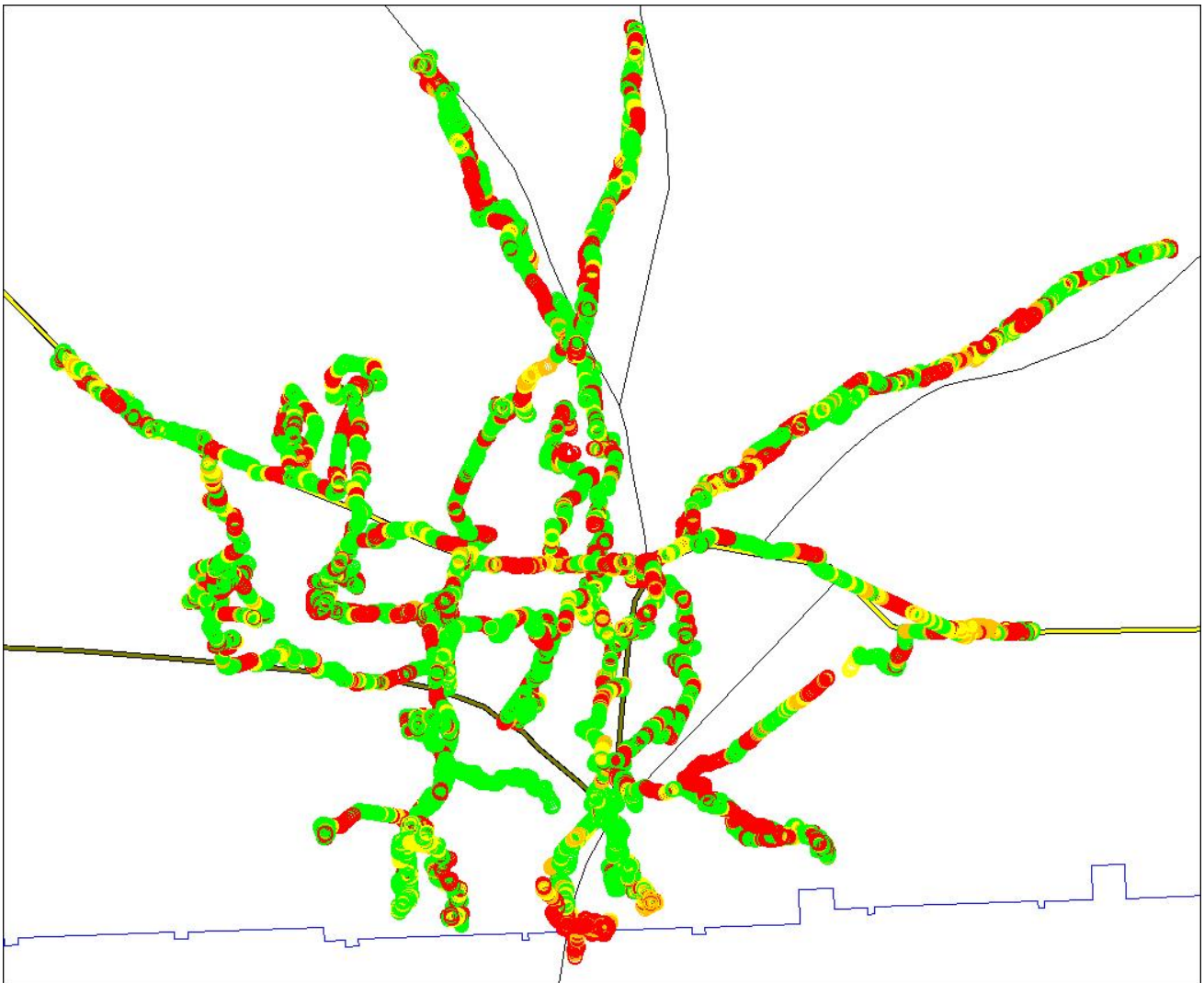
Technology	% of Time Spent on
Non Volte	9.18%
VoLTE	90.82%



TSP-BSNL

Data Statistics - Dynamic data testing

Data KPIs - Overall	2G
Download Throughput (Kbps)	202

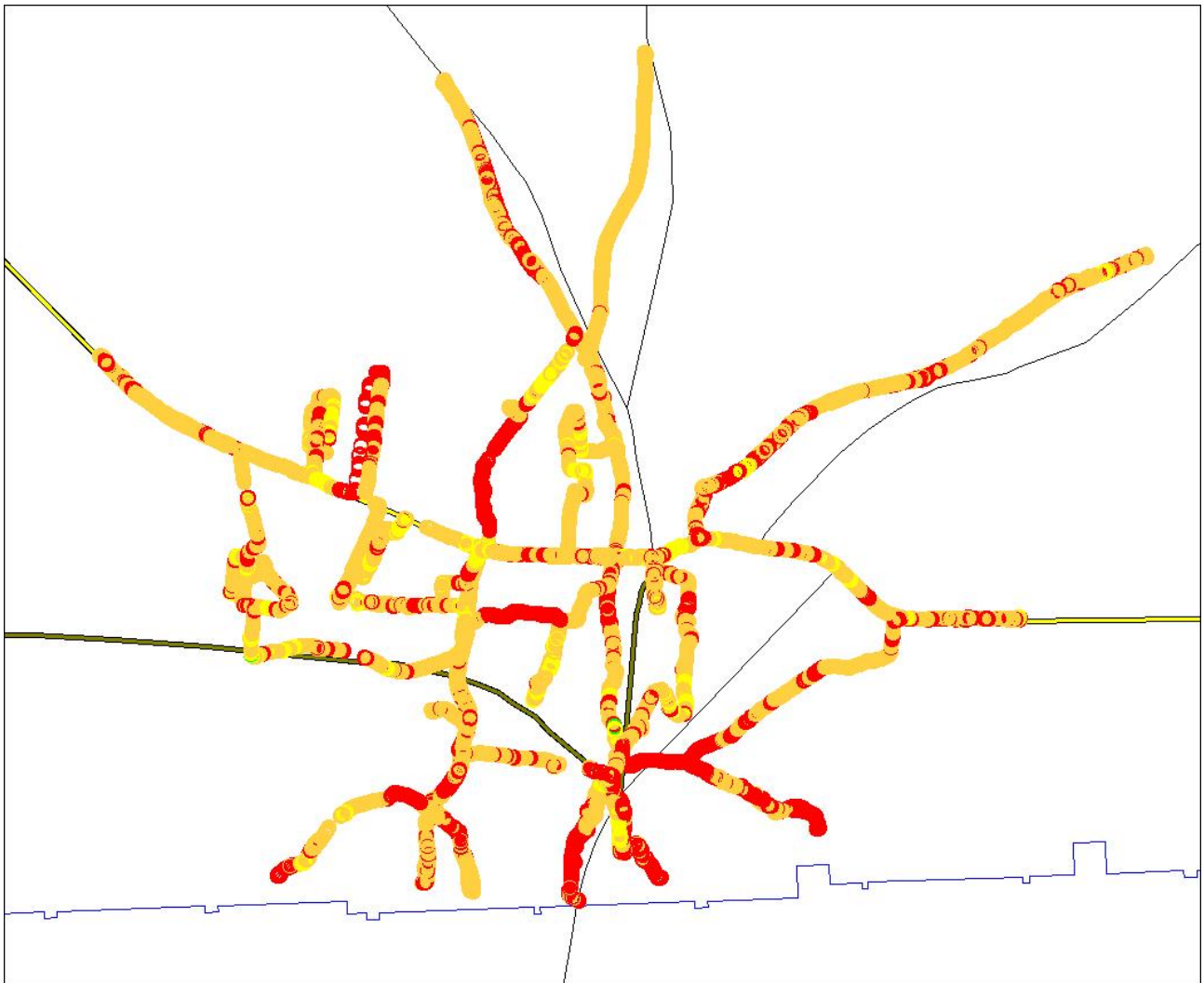


DL throughput	No of Sample	%	Legends
< 100 Kbps	542323	25.66%	
100-150Kbps	148406	7.02%	
150-200Kbps	257125	12.16%	
>200Kbps	1165889	55.16%	

TSP-BSNL

Data Statistics - Dynamic data testing

Data KPIs - Overall	3G
Download Throughput (Mbps)	2.65

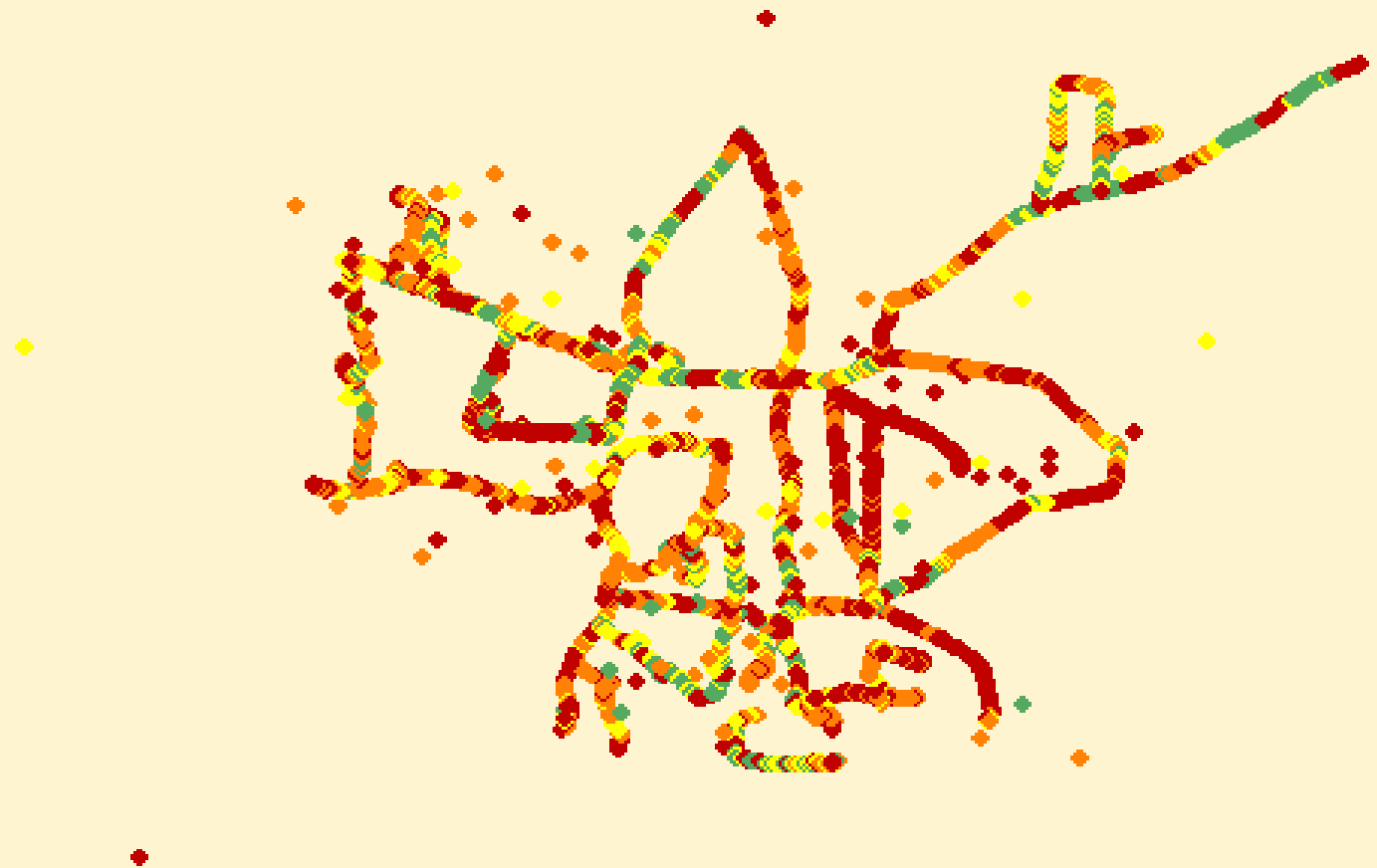


DL throughput	No of Sample	%	Legends
< 1 Mbps	189105	27.07%	Red
1-5 Mbps	458460	65.62%	Orange
5-10 Mbps	49658	7.11%	Yellow
>10Mbps	1420	0.20%	Green

TSP-JIO

Data Statistics - Dynamic data testing

Data KPIs - Overall	LTE
Download Throughput (Mbps)	7.23



DL throughput	No of Sample	%	Legends
< 2Mbps	2297	34.12%	Red
2-5 Mbps	2021	30.02%	Orange
5-10 Mbps	1504	22.34%	Yellow
>10Mbps	911	13.53%	Green

TSP-VIL

Data Statistics - Dynamic data testing - ...40 Kms

Data KPIs - Overall	LTE
Download Throughput (Mbps)	14.71%



DL throughput	No of Sample	%	Legends
< 2Mbps	802	18.01%	
2-5 Mbps	568	12.75%	
5-10 Mbps	801	17.98%	
>10Mbps	2283	51.26%	

Data Service Test- Static Locations



Hotspot Locations

1.Narmada Resort, Maheshwar

2. Maheshwar Fort, Maheshwar

3. Bus Stand, Maheshwar

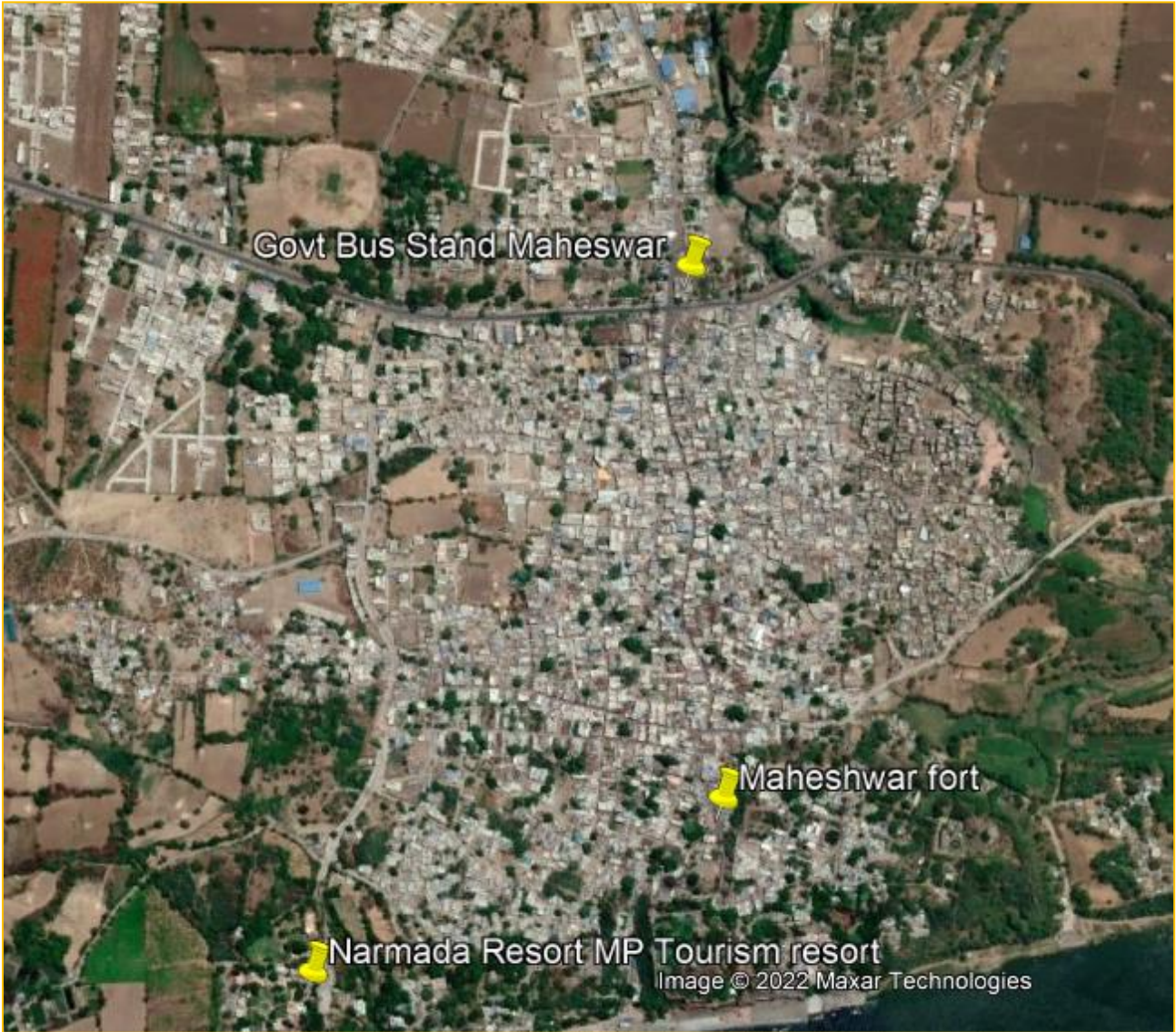
Overview Reliance JIO

Data Service Test- Static Locations



Hotspot Locations
1. Bus stand
2. Hotel Devraj
3. Maheshwer market
4. Maheshwer fort
5. Maheshwer Ghat
6. Maheshwer resort

Data Service Test- Static Locations



Hotspot Locations
1. Maheswar Bus Stand
2. Maheswar Fort
3. MP Tourism Narmada Resort

Data testing on hotspots using traимyspeed app

Hotspot		Airtel	BSNL	RJIO	VIL
1. Maheswar Bus Stand	2G download in Mbps	NA	0.39	NA	NA
	2G upload in Mbps	NA	0.19	NA	NA
	3G download in Mbps	NA	8.57	NA	NA
	3G upload in Mbps	NA	1.09	NA	NA
	4G download in Mbps	3.83	NA	14.31	16.57
	4G upload in Mbps	2.58	NA	7.60	14.70
2. Maheswar Fort	2G download in Mbps	NA	0.4	NA	NA
	2G upload in Mbps	NA	0.23	NA	NA
	3G download in Mbps	NA	9.91	NA	NA
	3G upload in Mbps	NA	1.23	NA	NA
	4G download in Mbps	0.97	NA	26.45	39.83
	4G upload in Mbps	0.11	NA	2.83	7.75

Data testing on hotspots using traимyspeed app

Hotspot		Airtel	BSNL	RJio	VIL
3.MP Tourism Narmada Resort	2G download in Mbps	NA	0.4	NA	NA
	2G upload in Mbps	NA	0.25	NA	NA
	3G download in Mbps	NA	4.5	NA	NA
	3G upload in Mbps	NA	1.42	NA	NA
	4G download in Mbps	6.44	NA	8.22	13.05
	4G upload in Mbps	8.64	NA	3.29	10.63
4. Maheshwar Market	2G download in Mbps	NA	NA	NA	NA
	2G upload in Mbps	NA	NA	NA	NA
	3G download in Mbps	NA	NA	NA	NA
	3G upload in Mbps	NA	NA	NA	NA
	4G download in Mbps	8.25	NA	20.11	NA
	4G upload in Mbps	9.31	NA	3.9	NA

Data testing on hotspots using traимyspeed app

Hotspot		Airtel	BSNL	JIO	VIL
5. Maheshwer Ghat	2G download in Mbps	NA	NA	NA	NA
	2G upload in Mbps	NA	NA	NA	NA
	3G download in Mbps	NA	NA	NA	NA
	3G upload in Mbps	NA	NA	NA	NA
	4G download in Mbps	2.92	NA	26.79	NA
	4G upload in Mbps	0.18	NA	8.08	NA
6. Devraj Hotel	2G download in Mbps	NA	NA	NA	NA
	2G upload in Mbps	NA	NA	NA	NA
	3G download in Mbps	NA	NA	NA	NA
	3G upload in Mbps	NA	NA	NA	NA
	4G download in Mbps	NA	NA	18.93	NA
	4G upload in Mbps	NA	NA	10.79	NA

Data testing on hotspots using traимyspeed app

Hotspot		Airtel	BSNL	JIO	VIL
7. Rajeshwari Temple	2G download in Mbps	NA	NA	NA	NA
	2G upload in Mbps	NA	NA	NA	NA
	3G download in Mbps	NA	NA	NA	NA
	3G upload in Mbps	NA	NA	NA	NA
	4G download in Mbps	0.95	NA	NA	NA
	4G upload in Mbps	0.08	NA	NA	NA
8. Rajwada	2G download in Mbps	NA	NA	NA	NA
	2G upload in Mbps	NA	NA	NA	NA
	3G download in Mbps	NA	NA	NA	NA
	3G upload in Mbps	NA	NA	NA	NA
	4G download in Mbps	4.10	NA	NA	NA
	4G upload in Mbps	2.38	NA	NA	NA