



TELECOM REGULATORY AUTHORITY OF INDIA

Operator Assisted Drive Test Report

Dahod (Gujarat LSA)

April 2026

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1. Introduction

TRAI Act, 1997 mandates the Authority to ensure the services delivered through various telecommunications networks meet required quality standards prescribed, to protect the interest of the consumers of telecommunication services. TRAI is also responsible for conducting the periodical audit of such services provided by the service providers so as to protect the interest of the consumers of telecommunications service.

Accordingly, TRAI with help of TSPs teams undertake assessment of Quality of Service of mobile service through Operator Assisted Drive Test (OADT).

In OADT, the performance of all service providers providing service in a Licensed Service Area (LSA) through various technologies (like 2G/ 3G/ 4G/ 5G) for voice and data are measured by conducting drive test. The drive test routes are finalised based on various objective criteria like reported network performance, consumer complaints etc.

2. Executive Summary

2.1 Drive test details

This report covers the findings of the OADT undertaken in Gujarat License Service Area (LSA) during the month of April 2026 under the supervision of TRAI Regional Office (RO), Jaipur. Details of route/area covered during the OADT is as given below.

Sl. No	Drive test route	Type of route	Distance covered (KMs)/ Locations	From date	To date	Duration of drive test
1	Dahod and Vadli GIDC	City	95	22-04-2026	24-04-2026	9AM TO 1PM 5PM TO 8PM
2	Dahod	Hotspot	4 Locations	24-04-2026	24-04-2026	9AM TO 1PM 5PM TO 8PM
3	Vadli GIDC	Hotspot	1 Location	24-04-2026	24-04-2026	9AM TO 1PM 5PM TO 8PM

Table-1: Drive test summary

2.2 Drive test routes

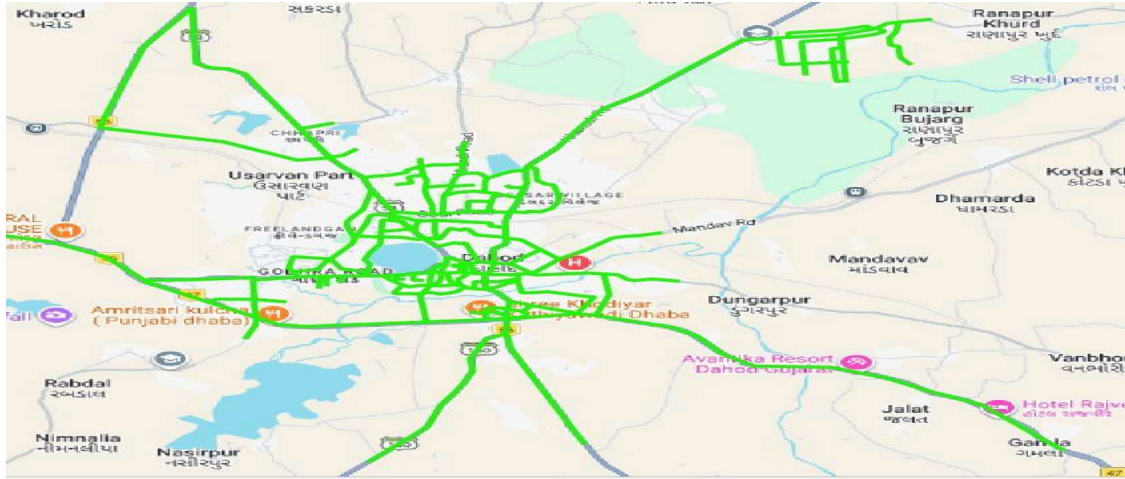


Figure-1: Drive test routes

The map provides overview of drive test routes indicating city drive & hotspots shown on the map.

2.3 Summary of areas covered

a) Dahod City- Chandra Shekar Azad Chowk, Godhara Road Masjed, ISKCON Temple, Sanatan Mandir, Junior Railway Institute, Zydus hospital, General Hospital, Mamlader Office Dahod, GIDC salvi, SPARC, Salvi Technology, Apple hiring & logistic, GSRTC Dahod bus stand, HDFC bank Ashapura Trade, Godi road, Railway Station Taheri hall

b) Hotspot-

1. Azad Chowk
2. Zydus civil hospital
3. Vadli GIDC
4. Dahod-Bus stand
5. Dahod-Railway station

2.4 Telecom service providers detected frequency bands

Technologies covered during the OADT and frequency bands in use are summarised in below table.

S.No.	Name of TSP	Technology	Frequency Bands (In MHz)
1	Bharti Airtel Ltd.	2G	1800
2	Bharti Airtel Ltd.	4G	900,1800,2100,2300
3	Bharti Airtel Ltd.	5G	3400
4	BSNL	2G	900
5	BSNL	3G	NA
6	BSNL	4G	700, 2100
7	Reliance JIO Infocomm Ltd.	4G	850 / 1800 / 2300
8	Reliance JIO Infocomm Ltd.	5G	700 / 3500
9	Vodafone Idea Ltd.	2G	900
10	Vodafone Idea Ltd.	4G	L800,L900,L2100,L2500

Table 2: Telecom service provider (TSP) covered in OADT.

2.5 Use of TRAI MY Speed App:

The TRAI My Speed App is a mobile application also used during the Drive test to measure and monitor the quality of mobile broadband services experienced by users at random static/hotspot locations in Dahod city. It helps both consumers and TRAI assess the actual performance of telecom network of TSPs.

The actual results are summarized below and the screenshots of corresponding tests is attached at Annexure-I:

S.No	Date	Time	Location	TSP	DL Speed	UL Speed	Latency	Packet Loss	Jitter	Coverage	Technology
1	APR 23 2026	10:08	GOVINDNAGAR	AIRTEL	54.4	8.72	42MS	0.00%	3.97	-82	4G
2	APR 23 2026	05:19	SHIDHPUR	AIRTEL	52.9	5.2MBPS	56MS	0.00%	6.65	-77	4G
3	APR 23 2026	07:06	SHIDHPUR	AIRTEL	390.16	23.18	47MS	0.00%	3.22	-90	5G
4	APR 24 2026	10:16	SHIDHPUR	AIRTEL	486	20.7	33	0.00%	2.58	-87	5G
5	APR 23 2026	12:17	SHAKAR NAGAR	AIRTEL	33.1	16.36	45	0.00%	5.08	-86	4G
6	APR 23 2026	10:31	SHIDHPUR	AIRTEL	544.7	17.22	42	0.00%	4.15	-90	5G
7	APR 23 2026	10:42	SHIDHPUR	BSNL	21.37	9.68	51	0.00%	5.28	-91	4G
8	APR 23 2026	10:04	GUJRATIWAD	BSNL	11.05	9.38	56	0.00%	6.42	-74	4G
9	APR 23 2026	06:10	RAMNAGAR	VIL	36.34	15.13	50	0.00%	4.13	-105	4G
10	APR 24 2026	09:52	SHIDHPUR	VIL	0.64	4.97				-87	4G
11	APR 24 2026	09:51	SHIDHPUR	VIL	44.31	7.16	47	0.00%	3.97	-87	4G
12	APR 23 2026	10:23		RJIL	145.93	23.95	35	0.00%	4.63		5G
13	APR 23 2026	05:12		RJIL	150.08	21.71	39	0.00%	5.79		5G
14	APR 24 2026	12:05	SHIDHPUR	RJIL	309.43	23.79	32	0.00%	3.77	-66	5G
15	APR 24 2026	09:38	VIVEKANANDA	RJIL	261.8	24.43	35	0.00%	3.72	-71	5G
16	APR 23 2026	12:25	JEKOT	RJIL	181.55	20.56	29	0.00%	4.54		5G

Detailed QoS Performance Analysis

3. Detailed QoS performance analysis

3.1 Overview

This section covers analysis on performance of various categories of drives like city, hotspots and walk test for all telecom service providers, the results of drive tests conducted are shown individually for respective areas/locations.

3.2 City

Drive test has been conducted on 22nd April to 24th April 2026 in Dahod. (refer Table-1)

3.2.1 Drive test route

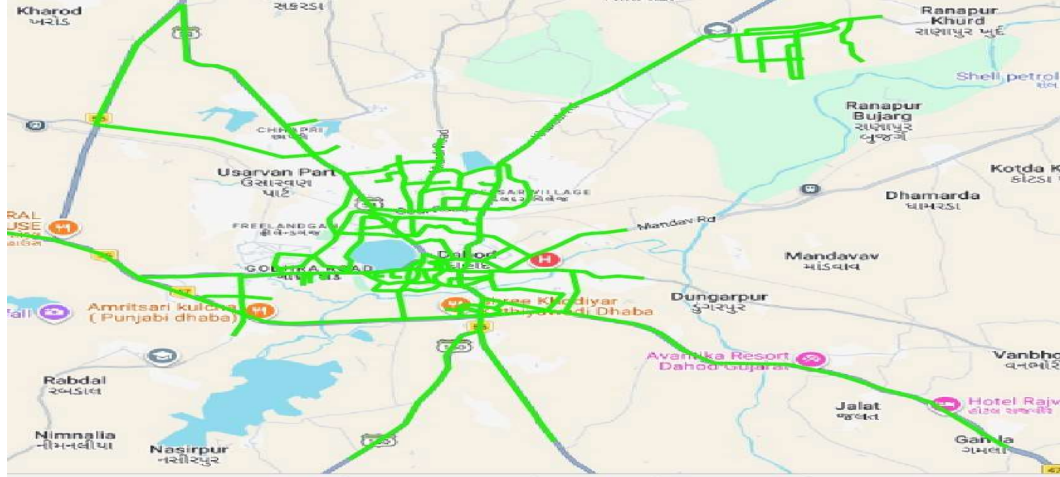


Figure- 2: Drive test routes.

3.2.2 Areas covered

Chandra Shekar Azad Chowk, Godhara Road Masjid, ISKCON Temple, Sanatan Mandir , Junior Railway Institute , Zydus hospital, General Hospital , Mamlader Office Dahod, GIDC salvi, SPARC, Salvi Technology , Apple hiring & logistic, GSRTC Dahod bus stand, HDFC bank Ashapura Trade, Godi road, Railway Station Taheri hall

3.2.3 Voice performance

(a) Voice Call Performance in 3G/2G network mode only: 3G/2G network mode testing has been done to reflect experience for respective users as they have only 3G/2G compatible handsets.

Parameters	Service Provider		
	3G/2G network mode only		
	AIRTEL	BSNL	VIL
Call Attempts	257	385	194
Call Setup Success Rate %	99.60	99.74	100
Drop Call Rate %	1.19	0.00	0

Call Setup Time-Average (Second)	3.12	3.83	3.36
Handover Success Rate %	97.08	100	96.40

Table-3: Summary of voice call performance in 3G/2G network mode only.

(b) Technology wise Unique cell id's covered in voice test: This section represents technology wise Number of unique cell id's covered in Voice test.

Number of unique cell id's covered in Voice test- Technology wise			
Technology	Service Provider		
	3G/2G network mode only		
	AIRTEL	BSNL	VIL
3G	NA	0	NA
2G	94	48	102

Table-4: Technology wise number of network cell id's latched during drive test.

Note-

- RJIL does not have 3G/2G network.
- NA- Service provider doesn't provide services in respective technology.

(c) Voice Call Performance in auto network selection mode (5G/4G/3G/2G)

Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempts	308	388	311	192
Call Setup Success Rate %	98.07	98.96	100.00	100.00
Drop Call Rate %	0.00	0.52	0.00	0.00
Call Setup Time Average (Second)	0.88	0.96	1.18	0.42
Handover Success Rate %	99.35	100.00	99.18	98.77

Table-5: Summary of voice call performance in network auto-selection mode.

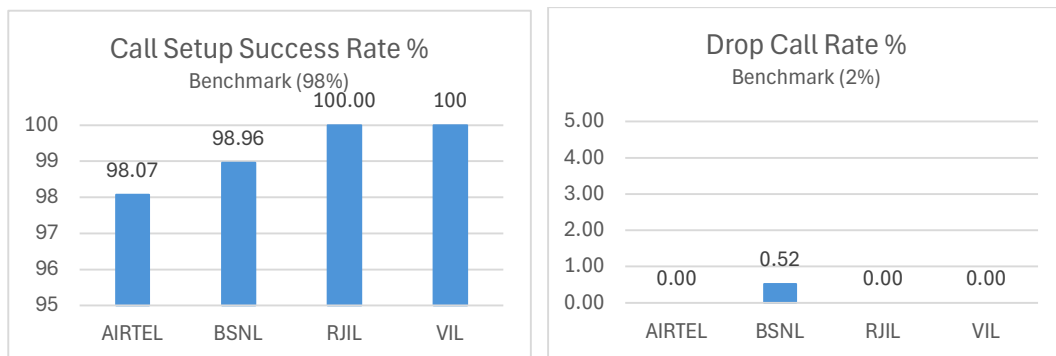


Figure-3: Performance for call setup success rate and Call drop rate.

Parameter	Service Provider			
	Mobile-to-Mobile (5G/4G - Open Mode)			
	AIRTEL	BSNL	RJIL	VIL
Call Established (within service provider Network)	252	384	296	192
Call Silence Rate %	0.98	0.97	0.32	0.00
Number of silence instances for >2 sec	3	2	1	0
Packet drop Rate Downlink %	0.53	1.78	1.99	0.87
Packet drop Rate Uplink %	0.60	1.72	2.07	0.57

Table-6: Summary of silence instances & packet loss rate for mobile to mobile call.

***The Call silence rate not captured by BSNL due to Test Kit issue.**

(d) Mean Opinion Score (MOS) performance for speech quality:

Mean opinion score indicate quality of speech observed during the drive test across different technologies. This parameter has been calculated for mobile to mobile calls made within same operator network in auto mode (5G/4G/3G/2G). As per ITU-T Recommendation P.863.1, MOS score values means: 5-Excellent, 4-Good, 3-Fair, 2-Poor, 1-Bad.

Speech Quality (MOS) distribution	Service Provider			
	AIRTEL	BSNL	RJIL	VIL
Total Number of MOS Samples for calls in table-6	2121	NA*	1973	1429
Speech Quality (Average MOS Score)	4.04	NA*	4.2	3.87

Table-7: Summary of speech quality (MOS) samples.

***MOS Test not performed by BSNL due to Test Kit issue.**

(e) Technology wise Unique cell id's covered in voice test: This section represents technology wise Number of unique cell id's covered in Voice test.

Number of unique cell id's covered in Voice test- Technology wise				
Technology	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
5G	NA	NA	75	NA
4G	194	76	85	113
3G	NA	0	NA	NA
2G	NA	0	NA	0

Table-8: Technology wise number of network cell id's latched during drive test.

3.2.4 Data performance

(a) Data Parameters (Auto-selection mode- 5G/4G/3G/2G)

Parameters		Service Provider			
		Auto-selection mode (5G/4G/3G/2G)			
		AIRTEL	BSNL	RJIL	VIL
Download Throughput (Mbits/s)	Average	65.24	15.7	158.54	19.73
	80th Percentile	105.15	21.6	282.69	30.67
	20th Percentile	18.51	10.42	15.89	7.33
Upload Throughput (Mbits/s)	Average	14.13	7.80	33.01	14.59
	80th Percentile	23.86	10.20	55.95	22.13
	20th Percentile	2.08	6.33	7.04	5.92
Latency (ms)	50th Percentile	34	3	39.68	25.07

Table-9: Summary of Data performance in network auto-selection mode.

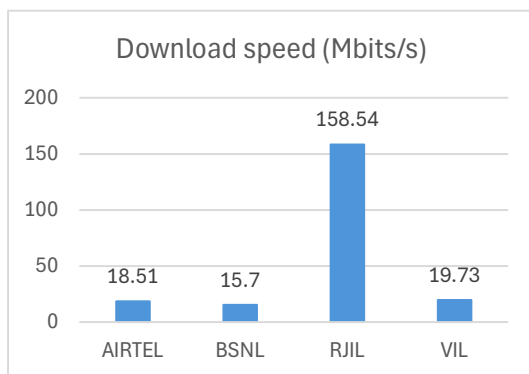


Figure- 4: Download throughput.

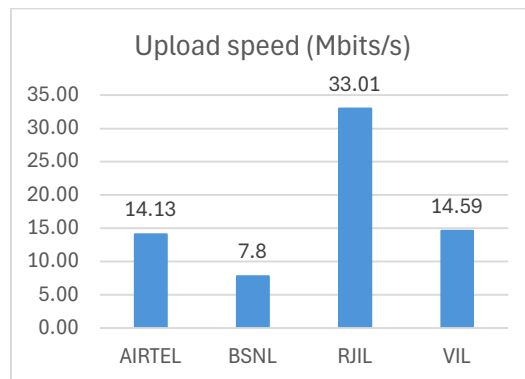


Figure- 5: Upload throughput

(b) Technology wise Unique cell id's covered in data test: This section represents technology wise Number of unique cell id's covered in Voice test.

Number of unique cell id's covered in Data test- Technology wise				
Technology	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
5G	NA	NA	65	NA
4G	194	86	29	39
3G	NA	0	NA	NA
2G	0	0	NA	0

Table-10: Technology wise number of network cell id's latched during drive test.

3.3 Hotspots

Hotspot testing has been done on 24th April 2026. Six locations were tested in the city.

3.3.1 Locations

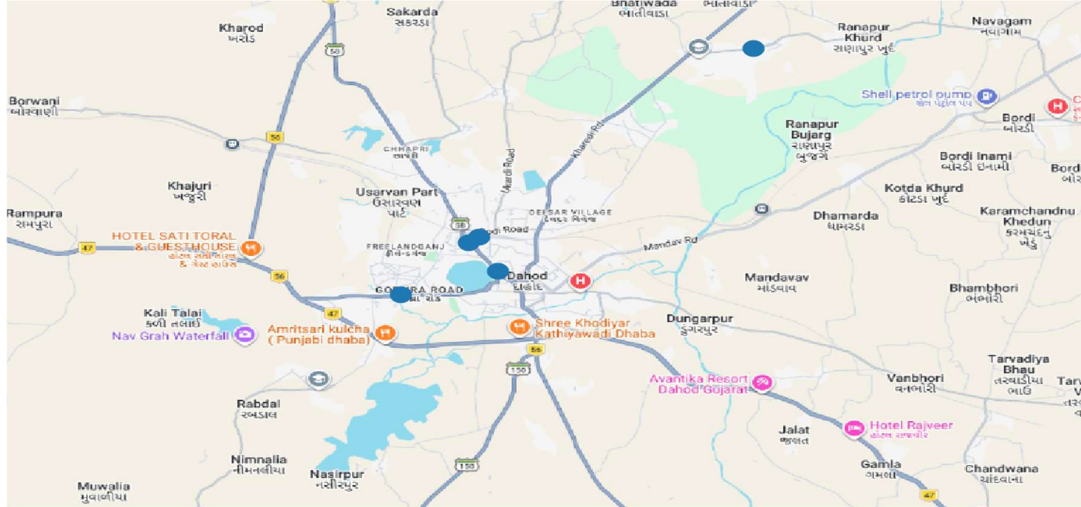


Figure-6: Hotspot locations

3.3.2 Hotspot covered

1. Azad Chowk
2. Zydus civil hospital
3. Vadli GIDC
4. Dahod-Bus stand
5. Dahod-Railway station

3.3.3 Voice performance

Overall Voice Performance				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	15	25	15	24
Call Setup Success Rate %	100%	98.96	100%	100
Drop Call Rate %	0	0.52	0%	0
Call Setup Time-Average (Sec)	0.91	0.96	0.82	0.4

Table-11: Overall summary of voice call performance in network auto-selection mode (5G/4G/3G/2G).

Azad Chowk				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	3	5	3	5
Call Setup Success Rate %	100.00	100.00	100.00	100.00

Drop Call Rate %	0	0.00	0.00	0.00
Call Setup Time-Average (Sec)	0.51	0.98	0.81	0.39

Table-12: Summary of voice call performance in network auto-selection mode 5G/4G/3G/2G).

Zydus civil hospital				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	3	5	3	4
Call Setup Success Rate %	100.00	100.00	100.00	100.00
Drop Call Rate %	0.00	0.00	0.00	0.00
Call Setup Time-Average (Sec)	0.88	0.97	0.87	0.44

Table-13: Summary of voice call performance in network auto-selection mode 5G/4G/3G/2G).

Vadli GIDC				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	3	5	3	5
Call Setup Success Rate %	100.00	100.00	100.00	100.00
Drop Call Rate %	0.00	0.00	0.00	0.00
Call Setup Time-Average (Sec)	1.09	0.93	0.84	0.38

Table-14: Summary of voice call performance in network auto-selection mode 5G/4G/3G/2G).

Dahod-Bus stand				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	3	5	3	5
Call Setup Success Rate %	100.00	100.00	100.00	100.00
Drop Call Rate %	0.00	0.00	0.00	0.00
Call Setup Time-Average (Sec)	1	0.92	0.71	0.36

Table-15: Summary of voice call performance in network auto-selection mode 5G/4G/3G/2G).

Dahod-Railway station				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Attempt	3	5	3	5
Call Setup Success Rate %	100.00	100.00	100.00	100.00
Drop Call Rate %	0.00	0.00	0.00	0.00
Call Setup Time-Average (Sec)	1.07	0.74	0.84	0.41

Table-16: Summary of voice call performance in network auto-selection mode 5G/4G/3G/2G).

3.3.4 Data performance (Auto-selection mode 5G/4G/3G/2G)

Overall Data Performance				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	65.24	15.8	280.42	14.57
Download Session Setup Success Rate %	95.480	98.37	100.00	100
Upload Throughput Average (Mbits/s)	14.13	7.81	67.09	13.81
Upload Session Setup Success Rate %	85.80	98.52	100.00	100
Web Browsing Delay (Second)	2.16	5.42	1.66	1.90
Latency (ms)-50th Percentile	34	34	19	35.56
Jitter (ms)	18.98	10	4.71	0.72
Packet Loss Rate%	1.15	1.24	0.02%	0

Table-17: Overall Summary of Data performance in network auto-selection mode (5G/4G/3G/2G).

Azad Chowk				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	120	16	270.79	36.14
Download Session Setup Success Rate %	100	98.32	100.00	100.00
Upload Throughput Average (Mbits/s)	50.16	10	74.01	27.79
Upload Session Setup Success Rate %	100	98.15	100.00	100.00
Web Browsing Delay (Second)	1.61	4.92	1.62	1.93
Latency (ms)-50th Percentile	25.5	20	18.5	38.64
Jitter (ms)	4.75	5	4.2	0.64
Packet Loss Rate%	0	1.82	0.03	0

Table-18: Summary of Data performance in network auto-selection mode (5G/4G/3G/2G)

Zydus civil hospital				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	203.91	12	178.95	32.79
Download Session Setup Success Rate %	100.00	98.18	100.00	100.00
Upload Throughput Average (Mbits/s)	203.91	9	37.89	25.17
Upload Session Setup Success Rate %	100.00	98.16	100.00	100.00
Web Browsing Delay (Second)	1.71	4.91	1.73	1.83
Latency (ms)-50th Percentile	47.25	28	16.5	35
Jitter (ms)	25.21	4	4.8	0.67
Packet Loss Rate%	0	1.85	0%	0

Table-19: Summary of Data performance in network auto-selection mode (5G/4G/3G/2G).

Vadli GIDC				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	34.45	17	188.73	14.57
Download Session Setup Success Rate %	100.00	100.00	100.00	100.00
Upload Throughput Average (Mbits/s)	9.35	9	76.77	13.81
Upload Session Setup Success Rate %	100.00	100.00	100.00	100.00
Web Browsing Delay (Second)	2.99	4.98	1.73	1.86
Latency (ms)-50th Percentile	41	28	28	35.56
Jitter (ms)	2.06	4	4	0.72
Packet Loss Rate%	0	1.87	1.87	0

Table-20: Summary of Data performance in network auto-selection mode (5G/4G/3G/2G).

Dahod-Bus stand				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	180.79	18	378.29	32.04
Download Session Setup Success Rate %	100.00	100.00	100.00	100.00
Upload Throughput Average (Mbits/s)	58.79	9	78.28	20.12
Upload Session Setup Success Rate %	100.00	100.00	100.00	100.00
Web Browsing Delay (Second)	2.43	3.27	1.7	1.93
Latency (ms)-50th Percentile	43.5	26	26	37.66
Jitter (ms)	9.81	7	7	5.15
Packet Loss Rate%	0	1.87	1.87	0

Table-21: Summary of Data performance in network auto-selection mode (5G/4G/3G/2G).

Dahod-Railway station				
Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Download Throughput Average (Mbits/s)	180.79	11	382.64	33.27
Download Session Setup Success Rate %	100.00	98.23	100.00	100.00
Upload Throughput Average (Mbits/s)	58.79	10	67.51	25.77
Upload Session Setup Success Rate %	100.00	98.75	100.00	100.00
Web Browsing Delay (Second)	2.43	4.65	1.57	1.94
Latency (ms)-50th Percentile	43.5	23	16.5	36.38
Jitter (ms)	9.81	4	3.75	0.64
Packet Loss Rate%	0.00	1.81	0.00	0.00

Table-22: Summary of Data performance in network auto-selection mode (5G/4G/3G/2G).

4. TSP wise signal strength(Dahod):

Technology	Parameter	Range	Color
2G	Rx Level	≥ -85 dBm	
		< -85 dBm	
3G	RSCP	≥ -90 dBm	
		< -90 dBm	
4G	RSRP	≥ -110 dBm	
		< -110 dBm	
5G	RSRP	≥ -110 dBm	
		< -110 dBm	

Table:23 Signal strength legend format

4.1 AIRTEL

4.1.1 :- 2G

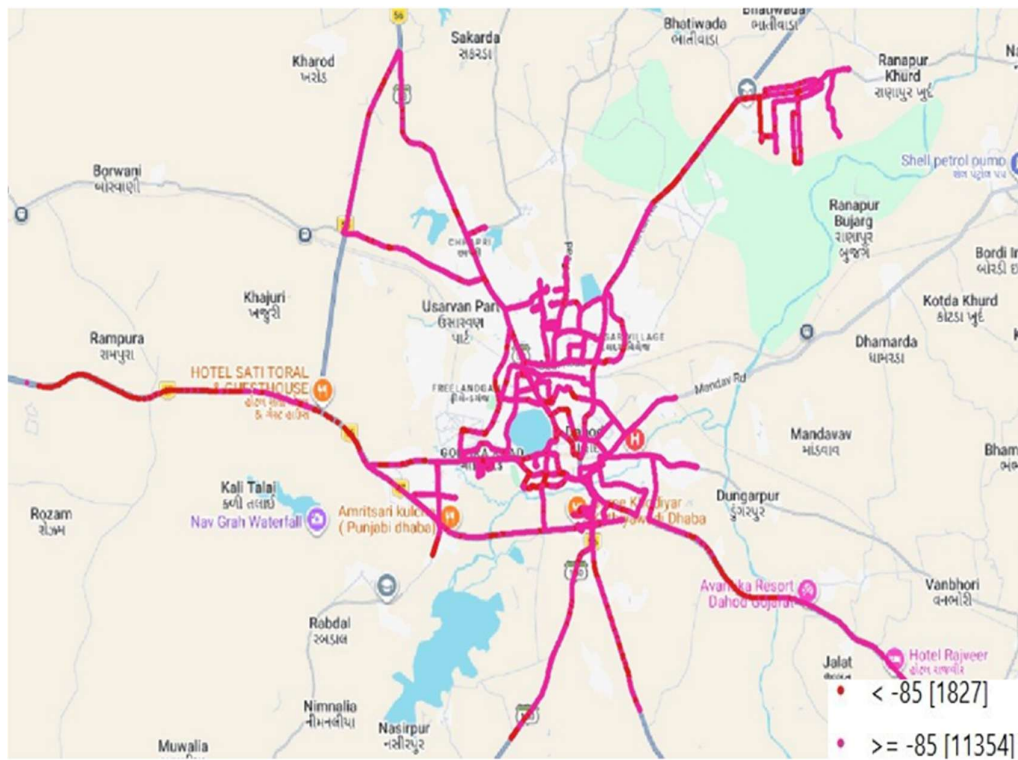


Figure-7: Signal strength auto-selection mode 2G – AIRTEL

4.1.2:-4G

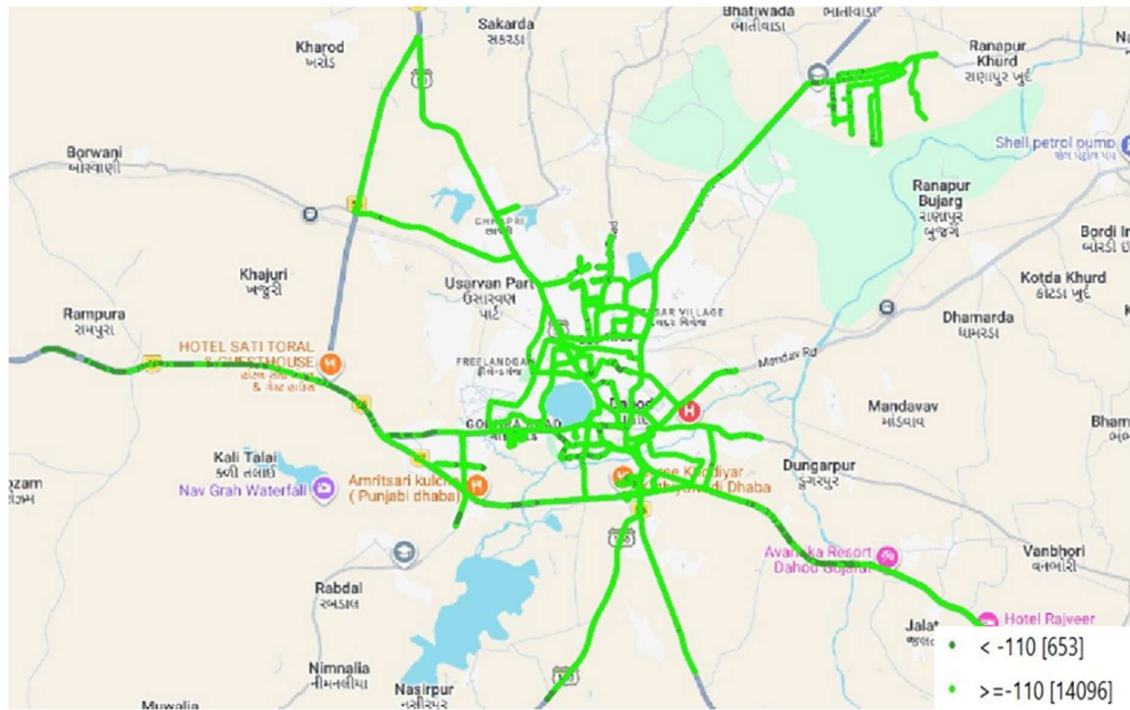


Figure-8: Signal strength auto-selection mode 4G – AIRTEL

4.1.3:- 5G

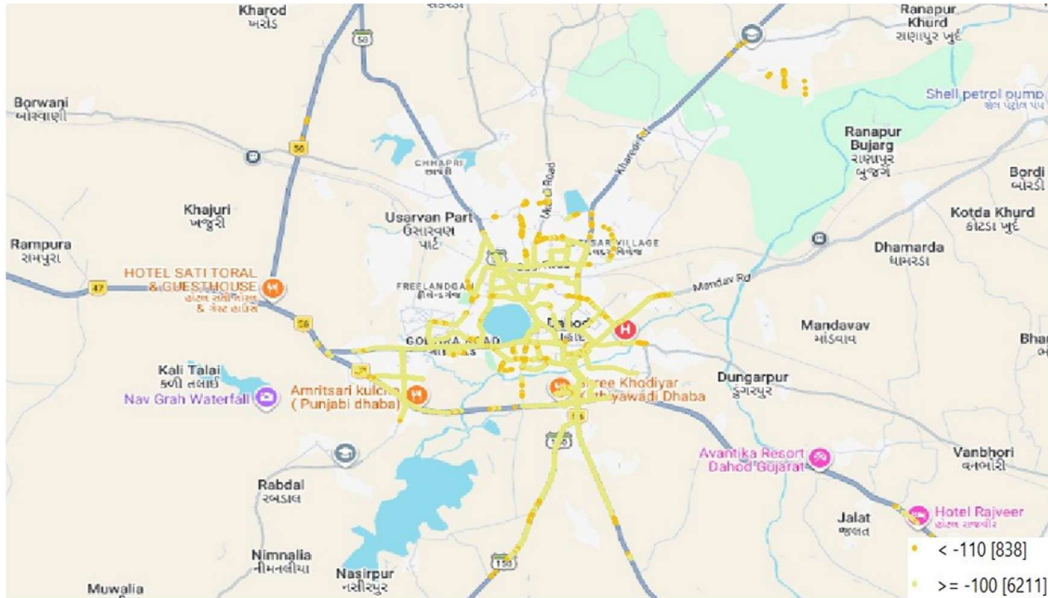


Figure-9:

Signal strength auto-selection mode 5G – AIRTE

4.2 BSNL

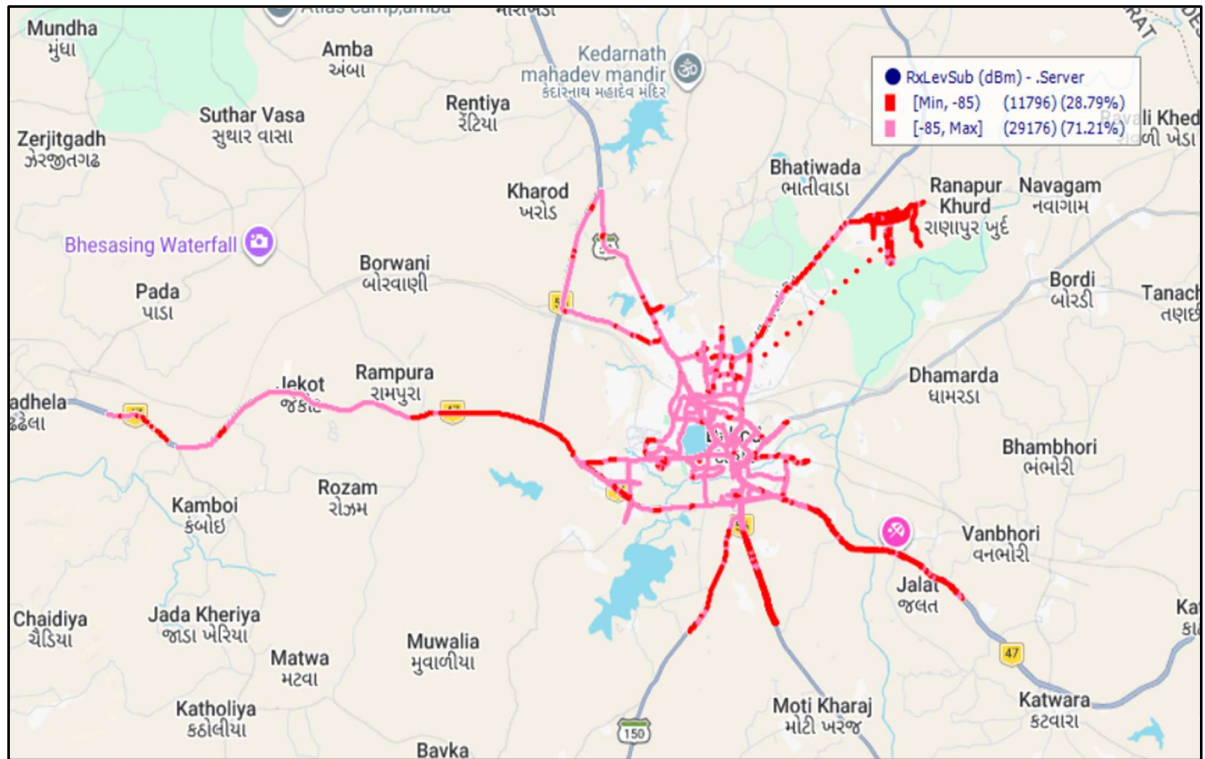
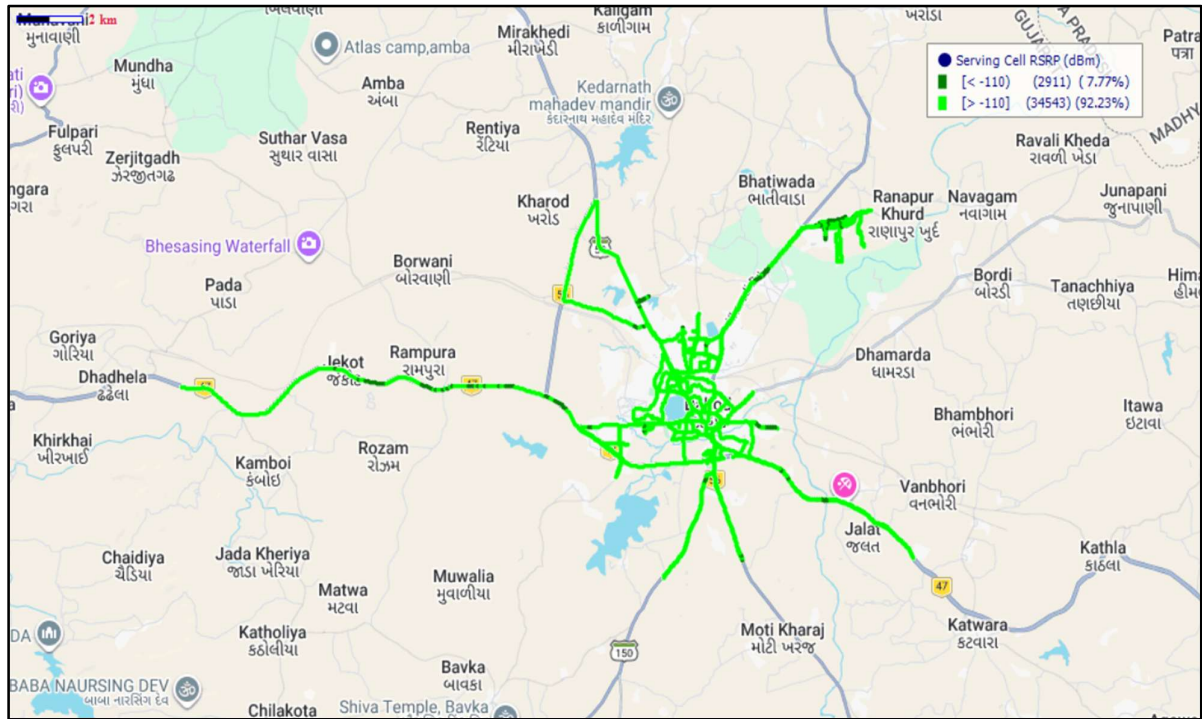
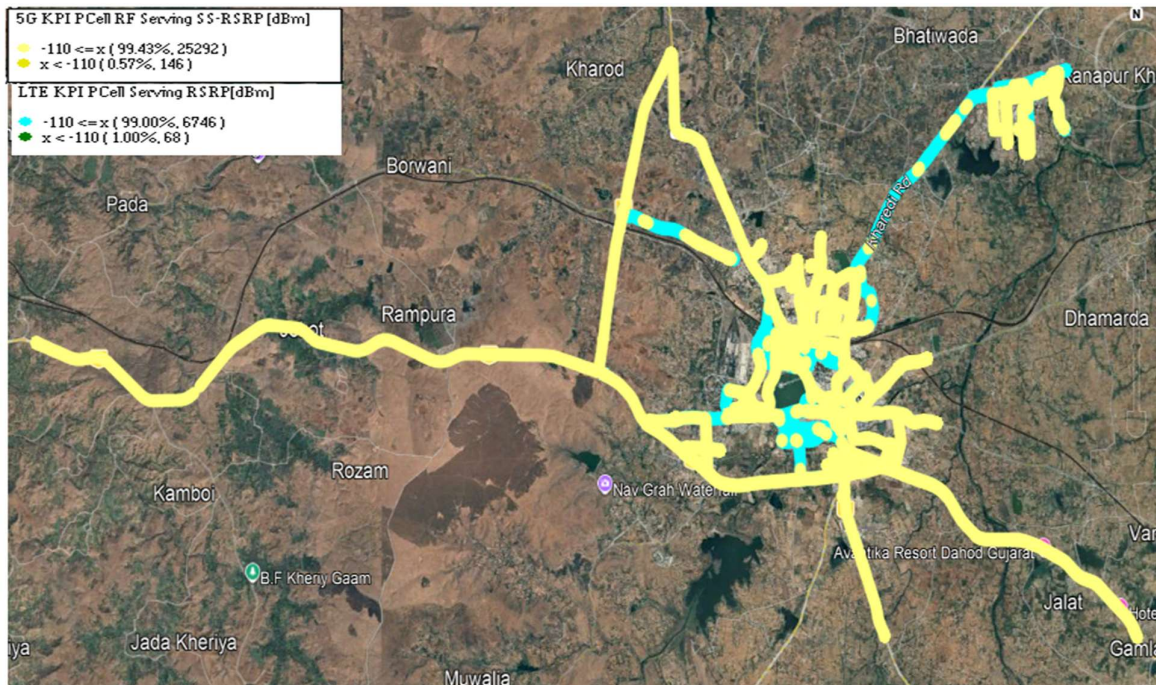


Figure-10: Signal strength auto-selection mode 2G/3G – BSNL



4.3 RJIL



4.4 VIL

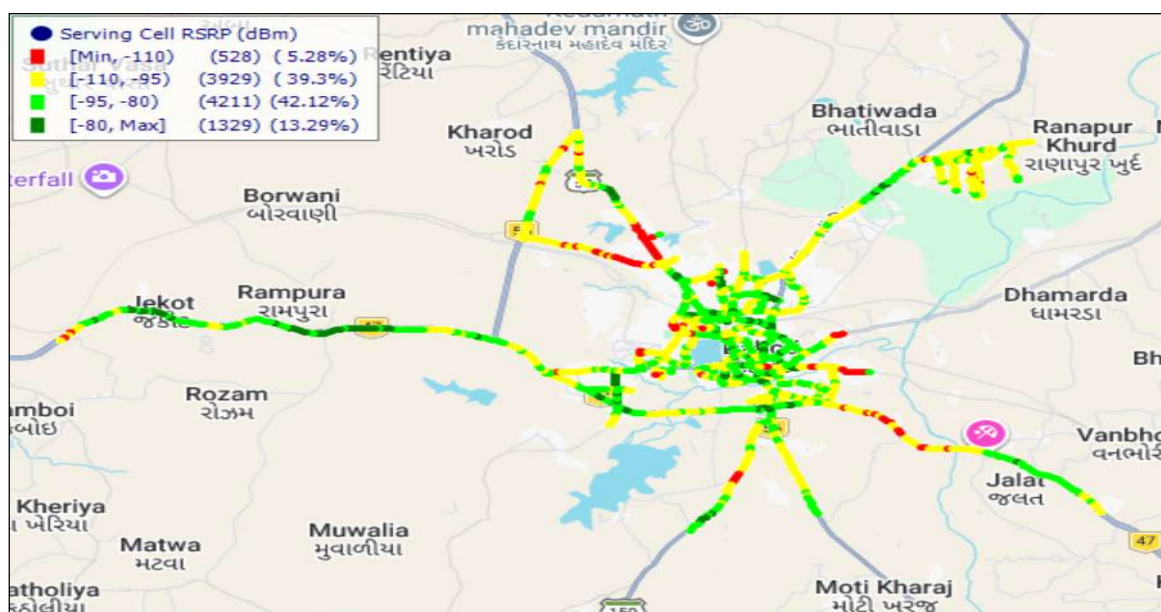


Figure-13: Signal strength auto-selection mode 5G/4G/3G/2G – VIL

5. Conclusion:

The operator wise comparative Analysis of various key parameters (5G/4G/3G/2G Open Mode) is given in table below:

Parameters	Service Provider			
	Auto-selection mode (5G/4G/3G/2G)			
	AIRTEL	BSNL	RJIL	VIL
Call Setup Success Rate %	98.07	98.96	100	100
Drop Call Rate %	0.00	0.52	0.00	0.00
Call Setup Time Average (Second)	0.88	0.96	1.18	0.42
Silence Call Rate %	0.98	0.97	0.32	0.00
Average MOS score	4.04	NA*	4.2	3.87
Packet Drop Rate (Downlink) %	0.53	1.78	1.99	0.87
Packet Drop Rate (Uplink)%	0.60	1.72	2.07	0.57
Download Throughput (Declared)	27.99	5.0	15	15
Download Throughput (Average)	65.24	15.7	158.54	19.73
Upload Throughput (Declared)	5.86	3.0	7.0	8.0
Upload Throughput (Average)	14.13	7.80	33.01	14.59
Latency in ms (50 th percentile)	34	31	39.68	67.68

Table:24 Operator wise comparative analysis of QoS parameters

*MOS Test not performed by BSNL due to Test Kit issue.

TSPs response:

1. Packet drop rate (uplink) for voice performance in auto network selection mode (5G,4G,3G,2G) is observed 2.07 % against benchmark of 2% for RJIL(ref.in Table-24).

RJIL response: M/s RJIL has integrated one 5G site (I-GJ-DOHD-ENB-0030) after Drive test at Anaj Market road area, resulting in improved coverage, better radio conditions, and enhanced network performance in the affected area. The identified root cause has now been addressed, the packet drop issue has been resolved **and point has been closed. (Action taken report Attached at Annexure-2).**

2. poor Coverage of VIL:

VIL Reply: M/s VIL has optimized one site at Ukardi Road, and New site has been planned Near Govt Engineering College.

Additionally, as per the action plan dated 02-07-2026 following three additional sites are required

1. Near Locomotive Trainee Hostel
2. Indore Highway
3. Raliyati Road, Near Urban Hospital

However, as no timelines have been provided for planning/installation of above mentioned four sites, M/s VIL`s **pending points is still open.**

The action plan provided by VIL is **attached at Annexure-III.**

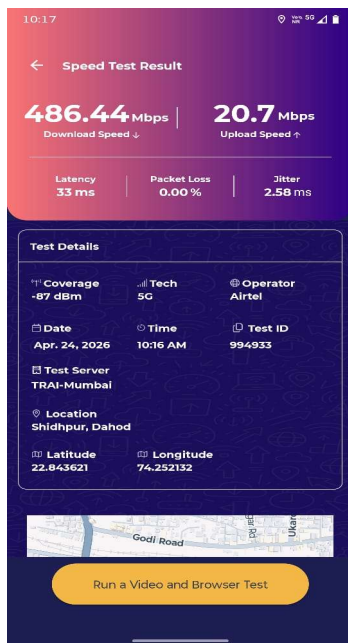
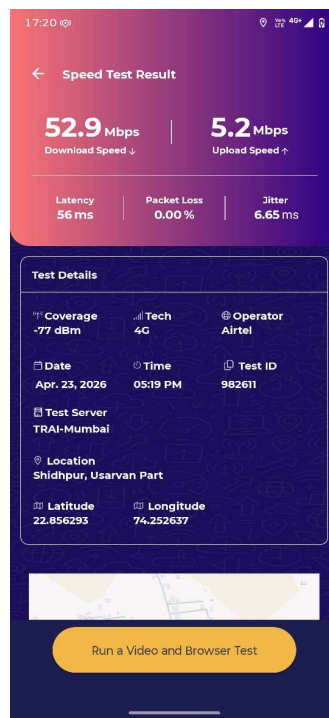
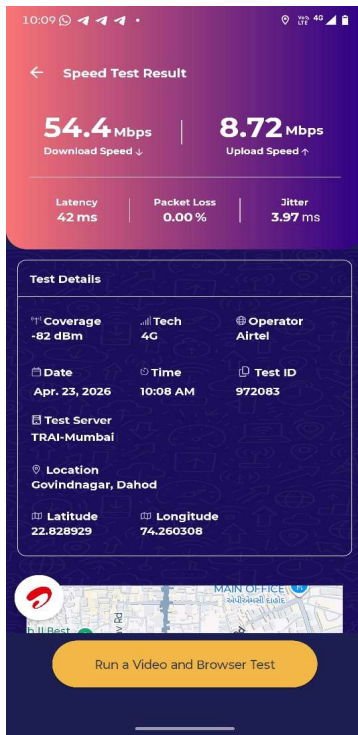
Annexure-1

TRAI My Speed App: -

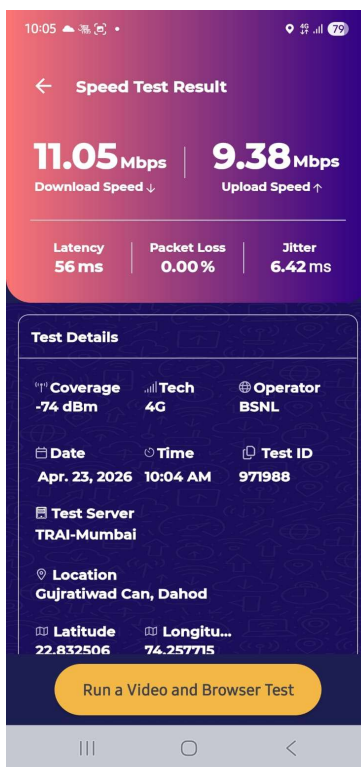
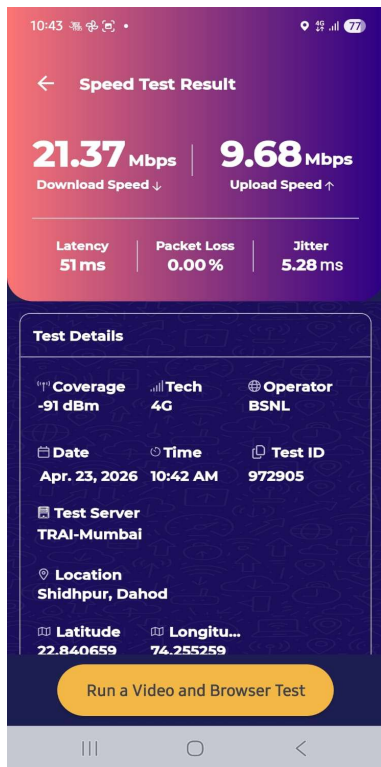
Speed test with TRAI My Speed App is carried out randomly during the drive test as well as at each hotspot location.

Summary:-

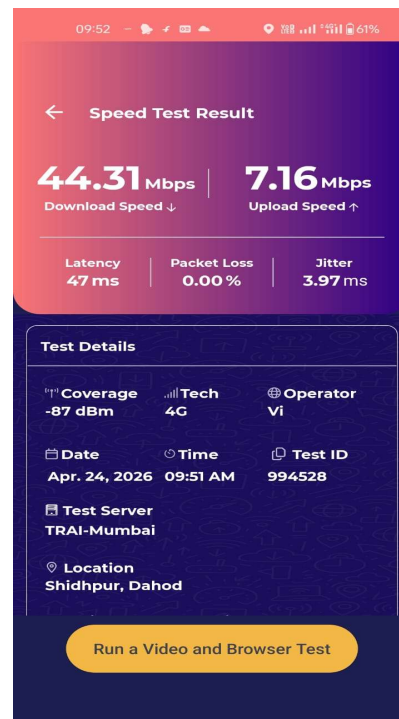
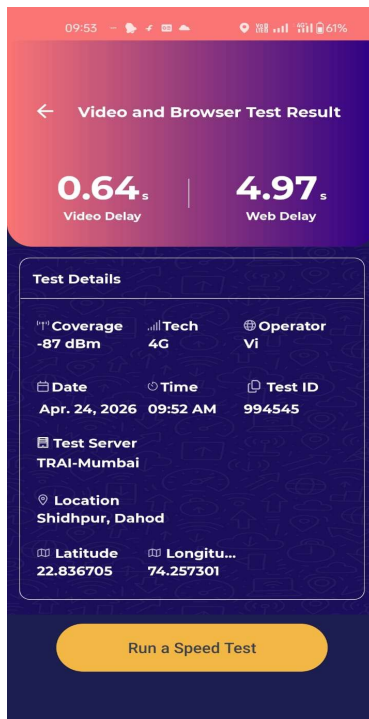
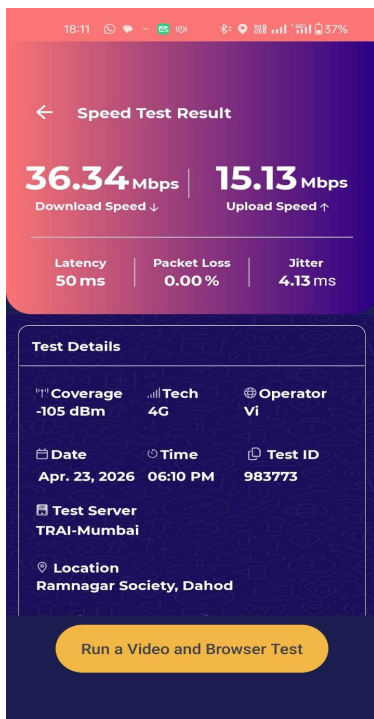
AIRTEL

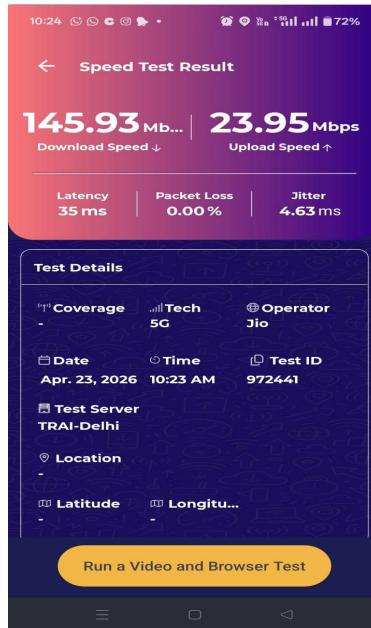
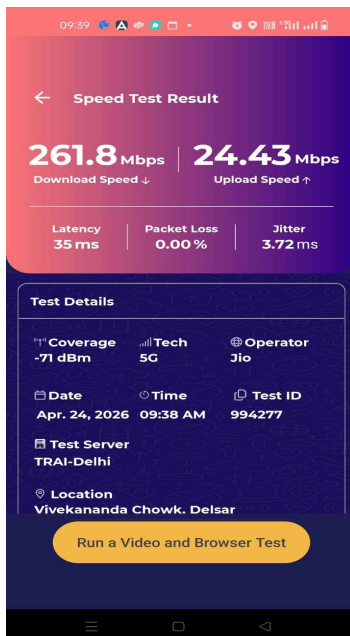
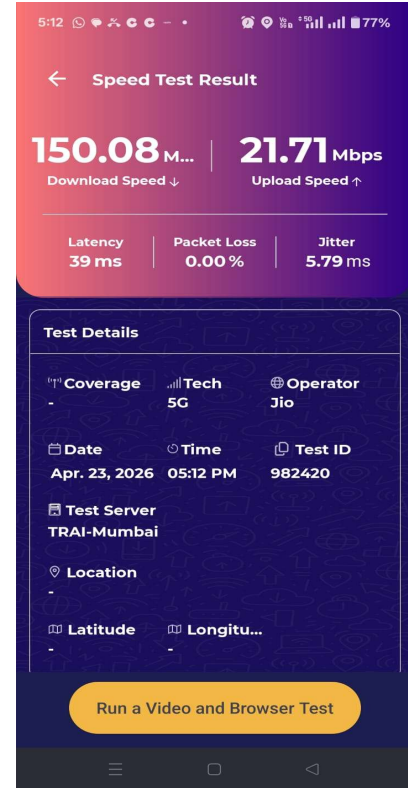
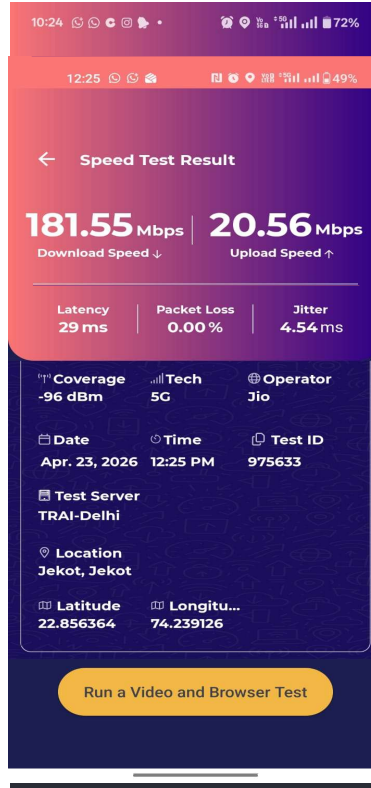
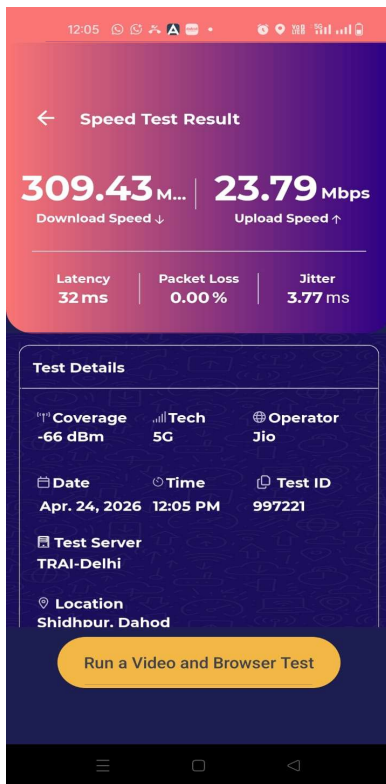


BSNL



VIL





Observations on my speed measurement: -

1) Airtel:

- a) Airtel download speeds ranged from 390.16 Mbps to 544.70 Mbps, having higher throughput than declared for Gujarat LSA as 27.99 Mbps.
- b) Upload speeds varied between 5.20 Mbps and 23.18 Mbps still having higher upload throughput declared for Gujarat LSA as 5.86 Mbps.
- c) Packet loss was 0% in all successful tests.
- d) Latency remained between 33 ms and 56 ms, while jitter varied from 2.58 ms to 6.65 ms, indicating stable network performance.
- e) Coverage strength ranged from -77 dBm to -90 dBm.

2) BSNL:

- a) The BSNL Download speeds were comparatively low, ranging from 11.05 Mbps to 21.37 Mbps having higher throughput than declared for Gujarat LSA as 5Mbps.
- b) Upload speeds were between 9.38 Mbps and 9.68 Mbps having higher throughput than declared for Gujarat LSA as 3Mbps.
- c) Packet loss was 0% in both observations.
- d) Latency ranged from 51 ms to 56 ms, with jitter between 5.28 ms and 6.42 ms.
- e) Coverage levels ranged from -74 dBm to -91 dBm.

3) Reliance Jio (RJIL):

- a) Download speeds ranged from 145.93 Mbps to 309.43 Mbps, having higher throughput than declared for Gujarat LSA as 15 Mbps.
- b) Upload speeds ranged from 20.56 Mbps to 24.43 Mbps having higher upload throughput declared for Gujarat LSA as 7Mbps.
- c) Packet loss was 0% in all tests.
- d) Latency varied between 29 ms and 39 ms, while jitter remained between 3.72 ms and 5.79 ms, indicating stable network performance.
- e) Coverage values, where available, ranged from -66 dBm to -71 dBm.

4) Vodafone Idea (VIL):

- a) One measurement at Shidhpur (24 Apr 2026, 09:52 hrs) recorded an exceptionally low download speed of 0.64 Mbps, while latency, packet loss and jitter values were not captured, indicating a possible network performance issue.
- b) Another test at the same location recorded a download speed of 44.31 Mbps, suggesting inconsistent network performance.
- c) Coverage during both tests at Shidhpur was -87 dBm.

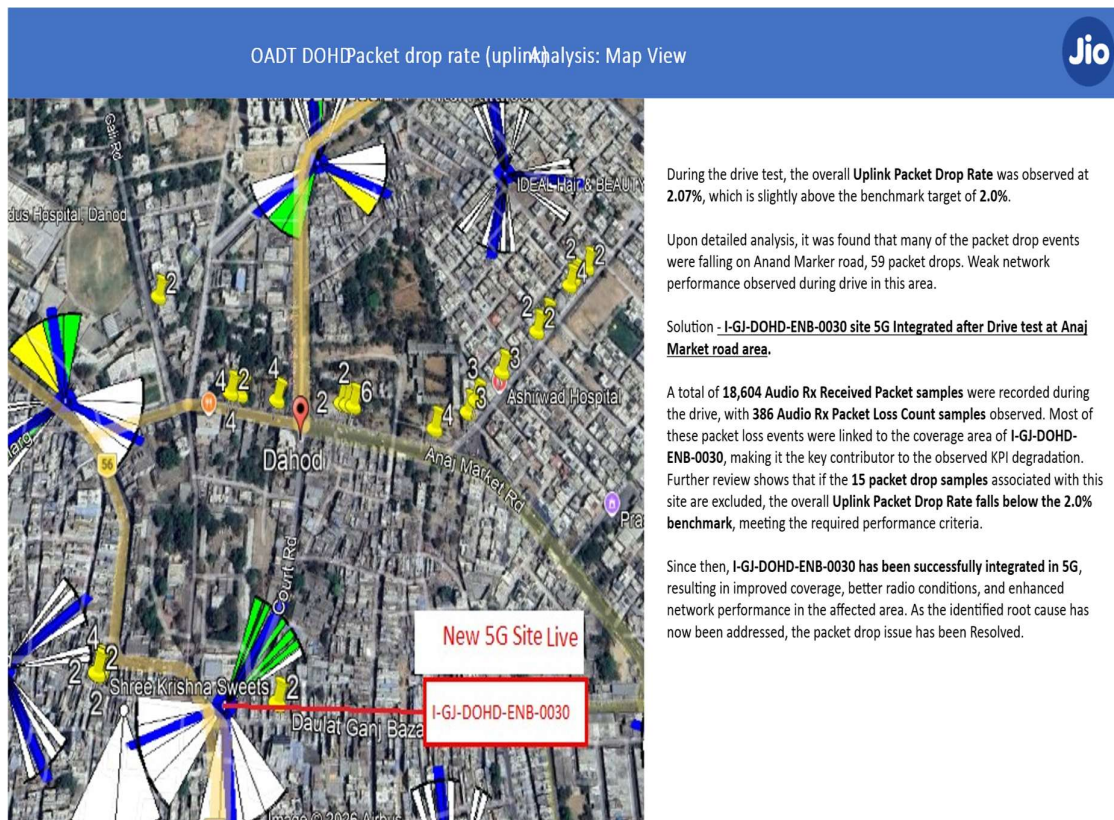
Annexure-II

Action Taken Report of M/s RJIL in respect of OADT conducted in Dahod City

OADT DOHD Packet drop rate (uplink) Analysis

OADT Date: 22-APR-2026 to 24-APR-2026

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Packet drop Count (uplink) sample Near I-GJ-DOHD-ENB-0030 Site

			OADT Drive Result
TIME_STAMP	Long	Lat	Audio Rx Packet Loss Count
2026-04-23 11:25:38.000	74.264328	22.83596	2
2026-04-23 11:33:24.000	74.26413	22.835831	2
2026-04-23 11:33:22.000	74.264069	22.83576	4
2026-04-23 11:25:22.000	74.263718	22.835409	2
2026-04-23 11:25:18.000	74.263588	22.835291	2
2026-04-23 11:25:01.000	74.2631	22.834881	3
2026-04-23 11:32:53.000	74.262749	22.8346	3
2026-04-23 11:24:49.000	74.262642	22.83449	3
2026-04-23 11:32:40.000	74.262222	22.83433	4
2026-04-23 11:32:21.000	74.261223	22.83453	6
2026-04-23 11:32:20.000	74.261147	22.834539	2
2026-04-23 11:32:19.000	74.261078	22.834551	2
2026-04-23 10:51:00.000	74.260277	22.8346	4
2026-04-23 10:51:18.000	74.259819	22.83465	4
2026-04-23 10:51:20.000	74.259743	22.83466	4
2026-04-23 10:51:21.000	74.259697	22.83466	2
2026-04-23 09:53:00.000	74.2584	22.832239	2
2026-04-23 09:52:41.000	74.258369	22.83222	2
2026-04-23 09:52:45.000	74.258369	22.83222	2
2026-04-23 09:52:42.000	74.258369	22.83222	4

Action Taken Report of M/s VIL in respect of OADT conducted in Dahod City

Sr.	Name of TSP	Route / Location	Name of Area & LSA	Lat. & Long.	Observation (No coverage / Poor coverage / Poor Signal Quality/ Call drops / Call Setup failure, and Hand Over failure/ Block/ Down Link Packet Drop/ Up Link Packet Drop/ speed less than 2Mb locations/)	Improvement Plan (Optimization/Radiation of New Site/upgradation of existing site/upgradation of backhaul etc.)	Time Line/ Remarks	Remarks 2nd July'26
1	Vi	Near Locomotive Trainee Hostel	Dahod	22.840327 74.245252	2G Poor Coverage	New Site Required	NA	
2	Vi	Near Govt Engineering College	Dahod	22.856827 74.237857	2G Poor Coverage	New Site Required	NA	New site planned
3	Vi	Indore Highway	Dahod	22.82037 74.281071	2G Poor Coverage	New Site Required	NA	
4	Vi	Ukardi Road	Dahod	22.852631 74.256695	2G Poor Coverage	Optimization Planned	31-May	Requisite Optimization done
5	Vi	Near Locomotive Trainee Hostel	Dahod	22.840327 74.245252	4G Poor Coverage	New Site Required	NA	
6	Vi	Indore Highway	Dahod	22.82037 74.281071	4G Poor Coverage	New Site Required	NA	
7	Vi	Near Govt Engineering College	Dahod	22.856827 74.237857	4G Poor Coverage	New Site Required	NA	New site planned
8	Vi	Raliyati Road, Near Urban Hospital	Dahod	22.831918 74.274402	4G Poor Coverage	New Site Required	NA	