

OADT Report of J&K LSA

**(Udhampur City and Udhampur to Doda
Highway)**

April 2026

OADT Summary

S No.	LSA	Date	Location	Km
1.	J & K	21-04-2026 to 23-04-2026	Udhampur City and Udhampur to Doda Highway	181

FINDINGS OF J&K LSA

Voice and Dynamic/Static Data Test Route

S.No	Date	Location/Area	Static Hotspot Locations
1	21-04-2026	Udhampur to Doda Highway	NA
2	22-04-2026	Udhampur City	NA
3	23-04-2026	HOTSPOT	Govt. Boys degree college Udhampur , GMC Udhampur , Gole Market Udhampur

Drive Test Route Map



Key observations from Drive Test (Voice)

TSP	Network tested
Airtel	2G,4G & 5G
BSNL	2G,3G & 4G
RJIO	4G & 5G
VIL	2G & 4G

Calls were made for the **180-sec** duration on the highway route and **90-sec** duration on the city route, with a wait time of **15 sec** between calls in all technologies

KPI	Benchmark	Observations
Drop call rate %	≤2%	All TSPs achieved the benchmark except BSNL.
CSSR %	≥98 %	All TSPs achieved the benchmark except BSNL.

Speech Quality (Average MOS)	AIRTEL	BSNL	RJIL	VIL
	4.07	3.0125	4.11	4.48

Summary – Voice City Dynamic in 3G/2G (Locked Mode)

Voice Call	AIRTEL 2G	BSNL 3G/2G	VIL 2G
Call Attempt	289	160	260
Call Established	286	158	258
CSSR% (Accessibility)	98.96	98.75	99.23
Drop Call Rate (%)	0	2.53	0.77
Handover Success Rate (%)	98.30	98.57	98.3

Summary – Voice City Dynamic in 5G/4G/3G/2G (Auto Mode)

Voice Call	AIRTEL	BSNL	RJIL	VIL
Call Attempt	295	210	156	236
Call Established	295	199	155	234
CSSR% (Accessibility)	100.00	94.76	98.35	99.17
Drop Call Rate (%)	0.34	2.51	0.74	0
Handover Success Rate (%)	99.80	99.59	98.76	98.45
Silence Call Rate %	0	0	0.93	0
Speech Quality (Average MOS)	4.07	3.0125	4.11	4.48

Summary-Data Service Performance Dynamic in (5G/ 4G/ 3G/ 2G - Auto mode)- J&K

Data Service	AIRTEL	BSNL	RJIL	VIL
Average Download speed (Mbps)	160.01 (7.84)	10.88 (3)	343.4 (15)	21.97 (15)
Average Upload speed (Mbps)	26.91 (5.22)	0.40 (3)	61.4 (7)	13.58 (8)
Latency 50 th percentile (ms)	19	DT Kit issue	24.1	21
Average Jitter (ms)	9.99	DT Kit issue	7.4	9.03
Packet Drop Rate (%)	1.13	DT Kit issue	0.07	1.73
Web browsing delay (sec)	NA	DT Kit issue	1.41	NA
Video Streaming performance for video (sec)	NA	DT Kit issue	0.43	NA

Summary-Voice Service Performance (5G/ 4G/ 3G/ 2G - Auto mode) – Over all (Static-Hotspot)

Voice Call	AIRTEL	BSNL	RJIL	VIL
Call Attempt	30	30	15	30
Call Established	30	29	15	30
CSSR% (Accessibility)	100	96.67	100	100
No. of Drop Call	0	0	0	0
Drop Call Rate (%)	0	0	0	0
Call Setup Time Average (Sec.)	0.59	2.49	1.12	0.45

Summary-Data Service Performance (5G/ 4G/ 3G/ 2G - Auto mode) – Over all (Static-Hotspot)

Data Service	AIRTEL	BSNL	RJIL	VIL
Average Download speed (Mbps)	141.19 (7.84)	3.89 (3)	343.4 (15)	25.84 (15)
Average Upload speed (Mbps)	30.37 (5.22)	1.12 (3)	61.4 (7)	18.1 (8)
Latency 50 th percentile (ms)	20.5	DT kit issue	24.1	38
Average Jitter (ms)	5.4	DT kit issue	6.8	9.71
Packet Drop Rate (%)	0	DT kit issue	0.07	0.29
Web browsing delay (sec)	5.37	DT kit issue	1.41	3.86
Video Streaming performance for video (sec)	1.19	DT kit issue	0.43	1.35

Data Summary at Hotspot Locations: Download and Upload Speed(in Mbps)

S.No.	Hotspot Locations	AIRTEL		BSNL		RJIL		VIL	
		Download (7.84)	Upload (5.22)	Download (3)	Upload (3)	Download (15)	Upload (7)	Download (15)	Upload (8)
1.	Govt. Degree College Udhampur	86.98	14.17	4.91	3.6	302.5	65.5	14.32	17.45
2.	GMC Udhampur	112.99	23.64	5.3	4.88	261.3	55.1	33.53	18.76
3.	Gole market Udhampur	279.44	66.9	5.85	1.21	241.5	45.8	29.68	18.09

Coverage – Voice Calls

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

TSPs	2G		
	Airtel	BSNL	VIL
Coverage%	85.95	57.43	56.46

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

TSPs	3G
	BSNL
Coverage%	44.02

Coverage – Voice Calls (Contd..)

- Percentage of coverage samples for 4G $\geq$ -110 dBm

TSPs	4G			
	AIRTEL	BSNL	RJIL	VIL
Coverage %	95.69	91.57	94.6	93.21

- Percentage of coverage samples for 5G $\geq$ -110 dBm

TSPs	5G	
	AIRTEL	RJIL
Coverage %	NA	99.2

THANK YOU