

Drive Test Report

January 2017

Mathura

Methodology:

Drive test was conducted in Mathura City & surrounding areas from 9:00 AM to 5 PM from 19th to 20th January 2017. The total drive test covered was approximately 125 km over a period of 2 days. A total of ~1318 calls were made for eight 2G networks, five 3G networks covering eight operators. Aircel did not participate in the Drive test having no coverage in Mathura City.



1

City-Level
Performance

2

Area-Level
Performance

3

Analysis

4

Summary
and
Highlights

5

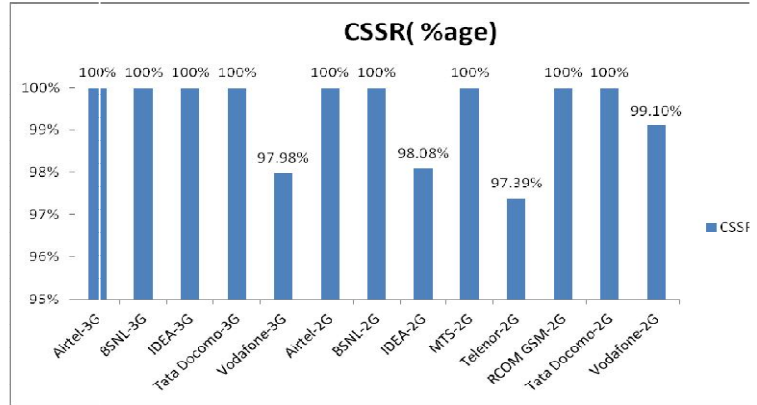
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II. Benchmarking
KPIs
III. Coverage
IV. Receive (Rx)
Quality
V. City-Level
Ranking
VI. City-Level KPI

City-Level Details

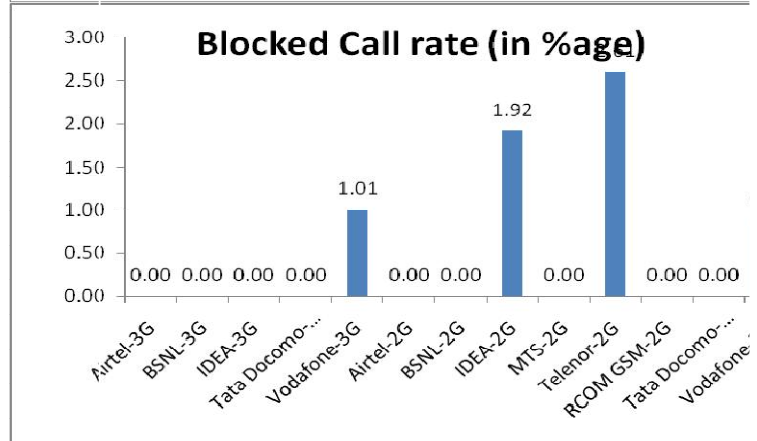
Operator Performance against Key Performance Indicators :

1. Call Setup Success Rate, 2. Blocked Call Rate, 3. Call Drop Rate, 4. Rx Quality

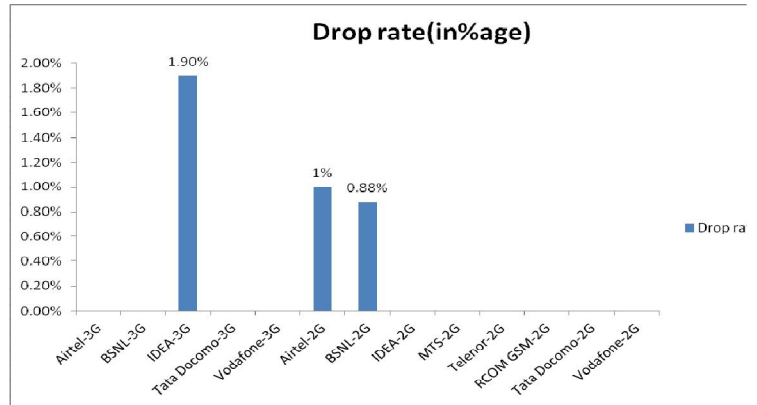
All operators have met the Call Setup Success Rate benchmark of $\geq 95\%$
Refer. Fig 1



All operators have met the Blocked call Rate benchmark of $\leq 3\%$
Refer. Fig 2

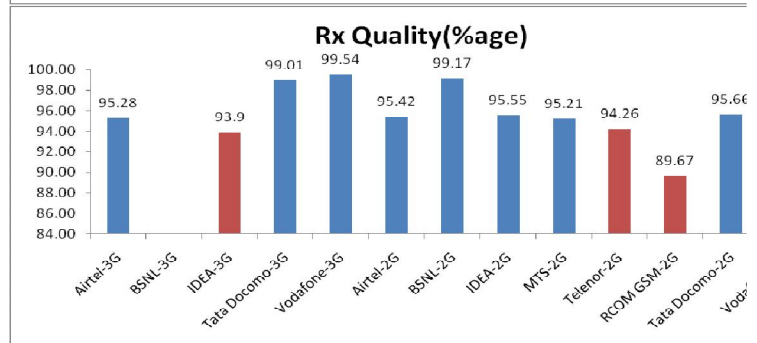


All operators meet the Call Drop Rate benchmark of $\leq 2\%$,
Refer. Fig 3



three operators namely Idea 3G, Reliance 2G & Telenor 2G failed to meet the Rx Quality benchmark of $\geq 95\%$. BSNL 3G processed Report not submitted by TSP.

Refer. Fig 4



Legends Threshold for each KPI are considered as per TRAI guidelines
Current Drive: August 2016

Operator meeting the benchmark

Operator not meeting the benchmark

Abbreviation / Definition:

CSSR (benchmark $\geq 95\%$) :

BCR (benchmark $\leq 3\%$):

CDR (benchmark $\leq 2\%$):

Good RxQuality (benchmark $\geq 95\%$): 2G (RxQual ≤ 5), 3G (EcNo ≥ -15 dBm), CDMA (FER $\leq 4\%$)

Call Setup Success Rate

Blocked Call Rate

Call Drop Rate

Ancillary Details

6. City-Level KPI details

	Operators (Summary)												
Call Events	Airtel-3G	BSNL-3G	IDEA-3G	Tata Docomo-3G	Vodafone-3G	Airtel-2G	BSNL-2G	IDEA-2G	MTS-2G	Telenor-2G	RCOM GSM-2G	Tata Docomo-2G	Vodafone-2G
Call Attempt	94	93	105	103	99	100	113	104	85	115	93	102	112
Blocked Call Rate	0.00	0.00	0.00	0.00	1.01	0.00	0.00	1.92	0.00	2.61	0.00	0.00	0.89
CSSR (Accessibility)	100%	100%	100%	100%	97.98%	100%	100%	98.08%	100%	97.39%	100%	100%	99.10%
Dropped Call Rate	0.00%	0.00%	1.90%	0.00%	0.00%	1%	0.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Mobility HOSR	100%	DNP*	100%	100%	100%	100%	99.38%	100%	100%	96.31%	99.31%	100%	100%
Rx Quality	95.28	DNP*	93.9	99.01	99.54	95.42	99.17	95.55	95.21	94.26	89.67	95.66	96.42