

Drive Test Report

March 2017

Bhopal

Methodology:

Drive test was conducted in City (Bhopal)& surrounding areas from 9:00 AM to 7:30 PM from 28th February 2017 to 1st March 2017. The total drive test covered was approximately 250 km over a period of 2 days. A total of ~4725 calls were made for Six 2G networks, Six 3G networks, and one CDMA networks covering Six operators

Date: 17 March 2017



**1 City level
Performance**

**2. Summary and
Highlights**

3 Appendix

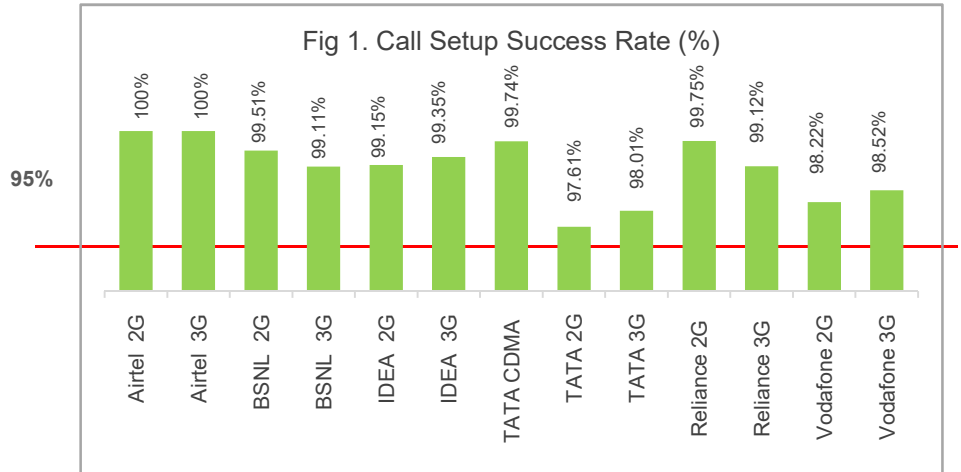
City-Level Details

Operator Performance against Key Performance Indicators :

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

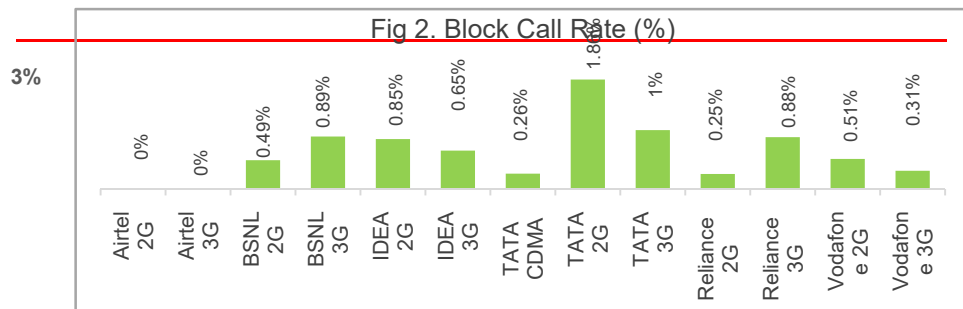
All the operators have met the Call Setup Success Rate benchmark of $\geq 95\%$ except Rjio.

Refer. Fig 1



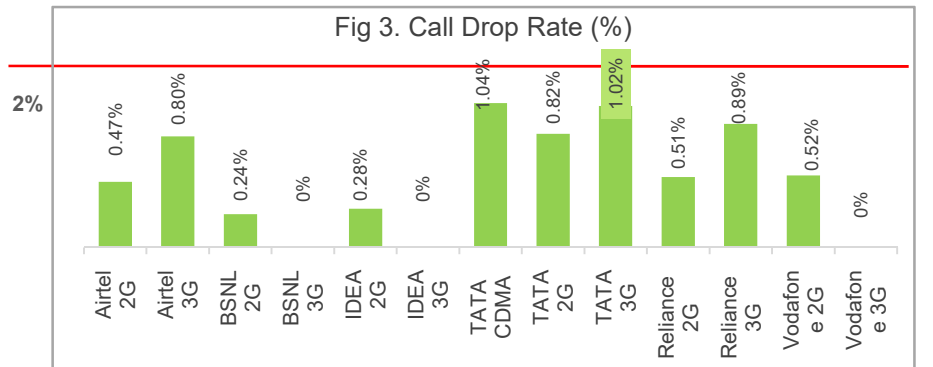
All the operators have met the Blocked call Rate benchmark of $\leq 3\%$

Refer. Fig 2



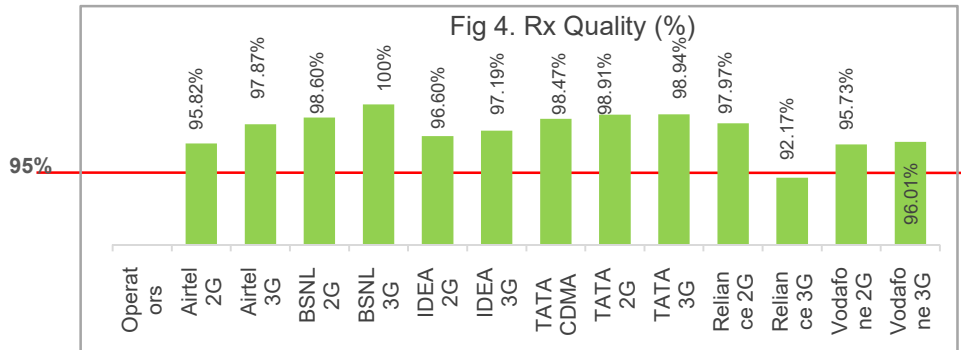
All the operators meet the Call Drop Rate benchmark of $\leq 2\%$.

Refer. Fig 3



All of the operators meet the Rx Quality benchmark of $\geq 95\%$ Except Reliance 3G

Refer. Fig 4



Legends Threshold for each KPI are considered as per TRAI guidelines
Current Drive: March 2017

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 $\geq 95\%$):

Call Setup Success Rate

Blocked Call Rate

Call Drop Rate

2G (RxQual ≤ 5), 3G (EcNo ≥ -15 dBm), CDMA (FER $\leq 4\%$)

Ancillary Details

3. City-Level KPI details

Call Events													
	Airtel		BSNL		IDEA		TATA			Reliance		Vodafone	
	2G	3G	2G	3G	2G	3G	CDMA	2G	3G	2G	3G	2G	3G
Call Attempt	428	358	412	337	354	306	384	377	301	395	341	394	338
Blocked Call Rate	0%	0%	0.49%	0.89%	0.85%	0.65%	0.26%	1.86%	1%	0.25%	0.88%	0.51%	0.31%
CSSR (Accessibility)	100%	100%	99.51%	99.11%	99.15%	99.35%	99.74%	97.61%	98.01%	99.75%	99.12%	98.22%	98.52%
Dropped Call Rate	0.47%	0.80%	0.24%	0%	0.28%	0%	1.04%	0.82%	1.02%	0.51%	0.89%	0.52%	0%
Mobility HOSR	98.59%	100%	97.79%	93.81%	99.47%	99.93%	99.88%	98.71%	100%	98%	100%	99.44%	98.99%
Rx Quality	95.82%	97.87%	98.60%	100%	96.60%	97.19%	98.47%	98.91%	98.94%	97.97%	92.17%	95.73%	96.01%