

# Drive Test Report

## February 2017

### City Ujjain


#### Methodology:

Drive test was conducted in City (Ujjain)& surrounding areas from 9:00 AM to 6:PM from 31<sup>st</sup> January 2017 to 1<sup>st</sup> February 2017. The total drive test covered was approximately 160 km over a period of 2 days. A total of ~ 4519 calls were made for six 2G networks, six 3G networks and one CDMA networks covering six operators

Date: 15<sup>th</sup> March 2017



1   
City-Level  
Performance

2   
Summary  
and  
Highlights

3   
Appendix

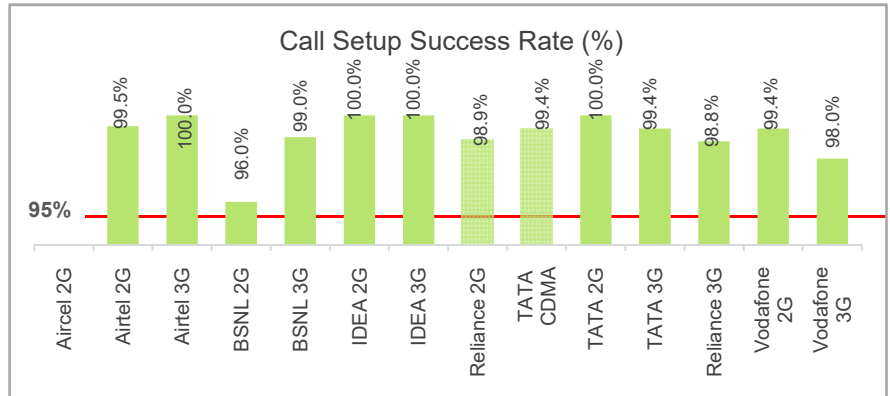
## City-Level Details

Operator Performance against Key Performance Indicators :

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

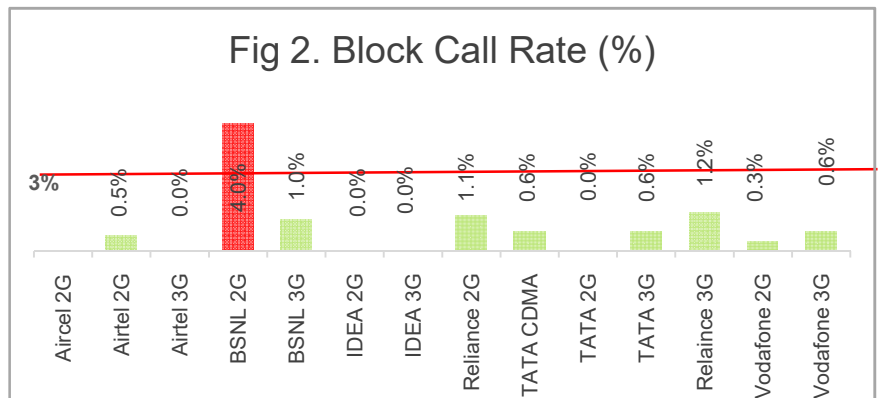
All operators have met the Call Setup Success Rate benchmark of  $\geq 95\%$ .

Refer. Fig 1



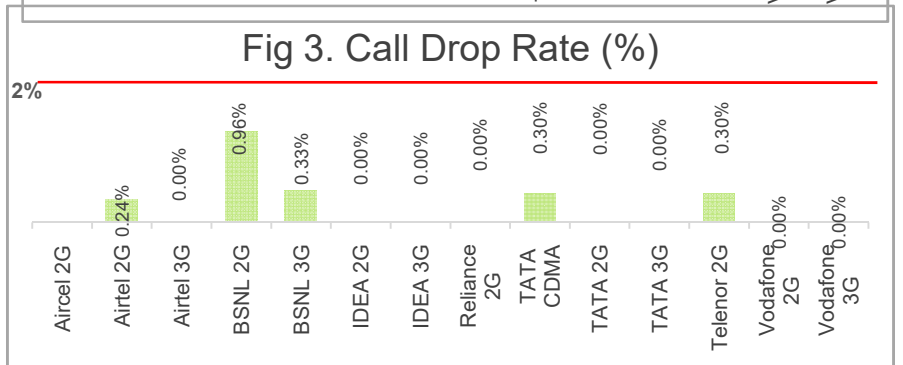
All operators have met the Blocked call Rate benchmark of  $\leq 3\%$  except BSNL 2G.

Refer. Fig 2



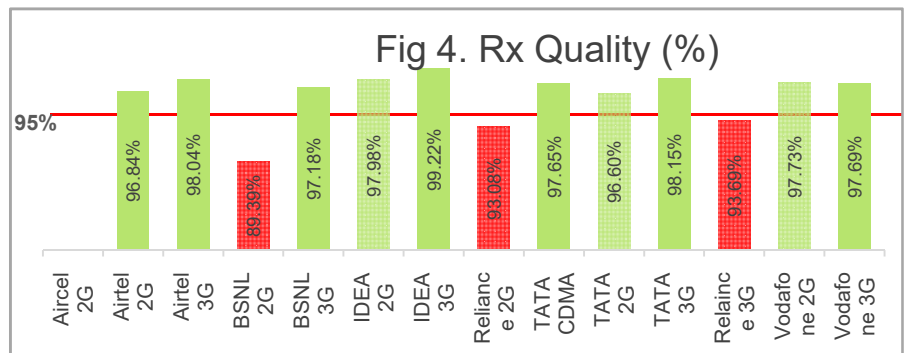
All operators the met Call Drop Rate benchmark of  $\leq 2\%$ .

Refer. Fig 3



Most of the operators met the Rx Quality benchmark of  $\geq 95\%$ , except BSNL 2G, Reliance 2G and Reliance 3G.

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  $\geq 95\%$ ):

Call Setup Success Rate

Blocked Call Rate

Call Drop Rate

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

## Ancillary Details

### 3. City-Level KPI details

Call Events	Operators (Summary)												
	Airtel		BSNL		IDEA		RELIANCE	TATA			Reliance	Vodafone	
	2G	3G	2G	3G	2G	3G	2G	CDMA	2G	3G	3G	2G	3G
Call Attempt	416	361	325	308	355	318	377	335	358	333	335	354	344
Blocked Call Rate	0.50%	0.00%	4.00%	1.00%	0.00%	0.00%	1.10%	0.60%	0.00%	0.60%	1.20%	0.30%	0.60%
CSSR (Accessibility)	99.5%	100%	96.00%	99.00%	100%	100%	98.9%	99.40%	100%	99.40%	98.80%	99.40%	98.00%
Dropped Call Rate	0.24%	0.0%	0.96%	0.33%	0.0%	0.0%	0.0%	0.30%	0.0%	0.0%	0.30%	0.0%	0.0%
Mobility HOSR	95.86%	100%	97.74%	90%	99.02%	100%	99.58%	100.00%	100%	100%	100%	100%	100%
Rx Quality	96.84%	98.04%	89.39%	97.18%	97.98%	99.22%	93.08%	97.65%	96.60%	98.15%	93.69%	97.73%	97.69%