

Drive Test Report

January 2017

Burdwan, Durgapur and Asansol in West Bengal LSA

Key performance indicators for most of the operators: : Most of the operators met the Call Dropped Rate (CDR) benchmark of $\leq 2\%$, the Call Setup Success Rate (CSSR) benchmark of $\geq 95\%$, Voice quality benchmark of $\geq 95\%$. Except BSNL.

Methodology:

Drive test was conducted in City level of Burdwan, Durgapur and Asansol with highways from 10:00 AM to 6:00PM from 23rd January 2017 to 25th January 2017. The total drive test covered was approximately **277 km** over a period of 3 days. A total of **~ 5899** calls were made for **six** 2G networks, **five** 3G networks and **two** CDMA operators with total of **thirteen** operators



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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

Most of the operators have met the Call Setup Success Rate benchmark of $\geq 95\%$ except BSNL 2G & 3G Services

Refer. Fig 1

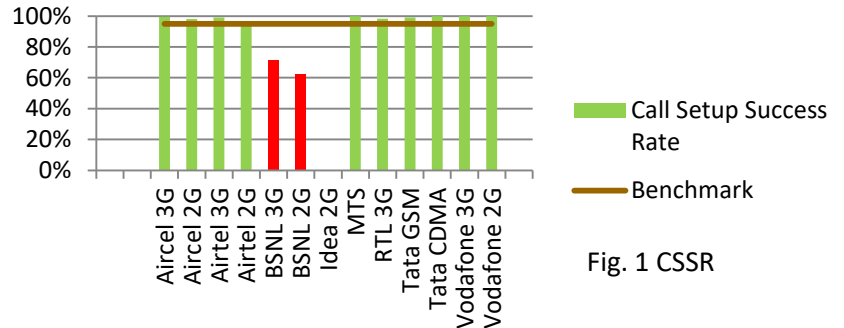


Fig. 1 CSSR

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

Refer. Fig 2

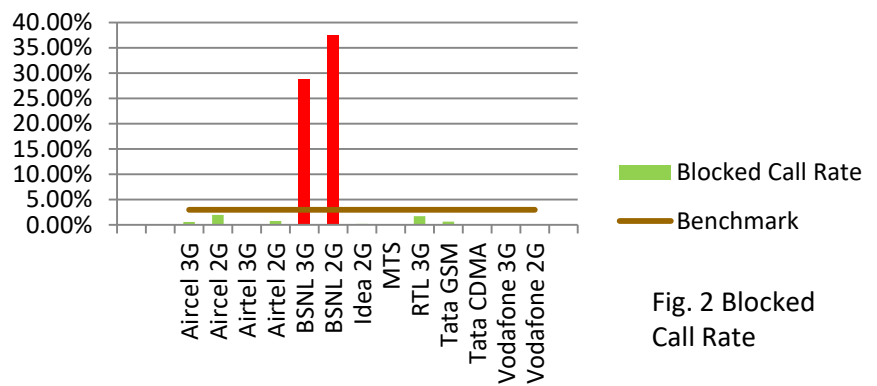


Fig. 2 Blocked Call Rate

Most of the operators met the Call Drop Rate benchmark of $\leq 2\%$, except BSNL 2G & BSNL 3G.

Refer. Fig 3

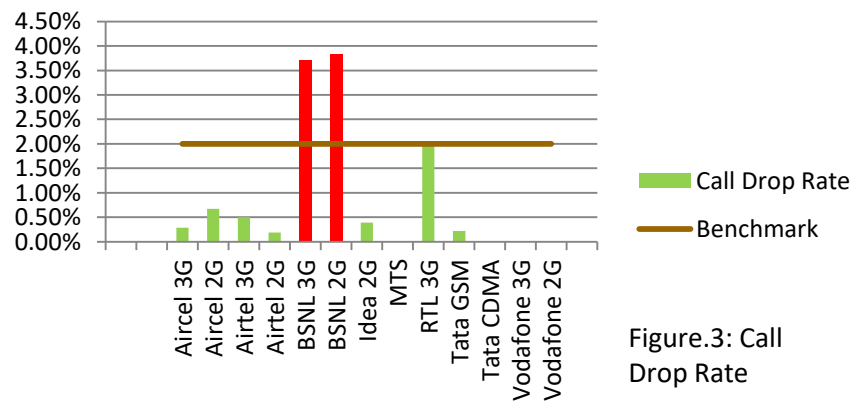


Figure.3: Call Drop Rate

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

Refer. Fig 4

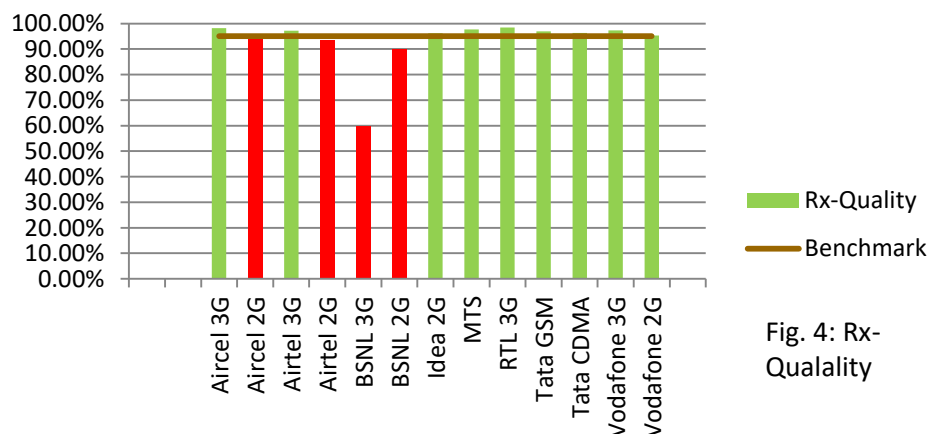


Fig. 4: Rx-Quality

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 $\geq 95\%$) : Call Setup Success Rate
BCR (benchmark $\leq 3\%$): Blocked Call Rate
CDR (benchmark $\leq 2\%$): Call Drop Rate
Good RxQuality (benchmark $\geq 95\%$): 2G (RxQual ≤ 5), 3G (EcNo ≥ -15 dBm), CDMA (FER $\leq 4\%$)

Ancillary Details :

City-Level KPI details

		Operators (Summary)												
Call Events		Aircel		Airtel		BSNL		IDEA	MTS	RTL	Tata	Tata	Vodafone	
		2G	3G	2G	3G	2G	3G	2G	CDMA	3G	GSM	CDMA	2G	3G
Call Attempt		598	347	520	393	500	379	512	431	405	450	507	523	334
	(March-17)													
Blocked Call Rate		2.01%	1%	0.77%	0.00%	37.40%	28.76%	0.20%	0.00%	1.73%	0.67%	0.00%	0.00%	0.00%
	(March-17)													
CSSR (Accessibility)		97.99%	99.42%	95.76%	98.98%	62.60%	71.24%	99.80%	100.00%	98.27%	99.11%	100.00%	100.00%	100.00%
	(March-17)													
Dropped Call Rate		0.67%	0.29%	0.19%	0.50%	3.83%	3.70%	0.39%	0.00%	1.98%	0.22%	0.00%	0.00%	0.00%
	(March-17)													
Mobility HOSR		97.34%	100%			100.00%	100.00%	99.90%	99.96%		97.50%	100.00%	98.10%	98.42%
	(March-17)													
Rx Quality		94.70%	98.23%	93.25%	97.15%	89.78%	59.76%	96.13%	97.74%	98.47%	96.94%	96.35%	95.31%	97.32%
	(March-17)													

Operator meeting benchmark

Operator not meeting benchmark

Data not available