Methodology:
Drive test was conducted in City (Ujjain) & surrounding areas from 9:00 AM to 6:PM from 31st January 2017 to 1st 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.
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 >=95%.
Refer. Fig 1

All operators have met the Blocked call Rate benchmark of <=3% except BSNL 2G.
Refer. Fig 2

All operators the met Call Drop Rate benchmark of <=2%.
Refer. Fig 3

Most of the operators met the Rx Quality benchmark of >=95%, except BSNL 2G, Reliance 2G and Reliance 3G.
Refer. Fig 4

Abbreviation / Definition:
- CSSR (benchmark >=95%): Call Setup Success Rate
- BCR (benchmark <=3%): Blocked Call Rate
- CDR (benchmark <=2%): Call Drop Rate
- Good RxQuality (benchmark >=95%): 2G (RxQual <=5), 3G (EcNo >=-15dBm), CDMA (FER <=4%)

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

### 3. City-Level KPI details

<table>
<thead>
<tr>
<th>Call Events</th>
<th>Operators (Summary)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Airtel</td>
</tr>
<tr>
<td></td>
<td>2G</td>
</tr>
<tr>
<td>Call Attempt</td>
<td>416</td>
</tr>
<tr>
<td>Blocked Call Rate</td>
<td>0.50%</td>
</tr>
<tr>
<td>CSSR (Accessibility)</td>
<td>99.5%</td>
</tr>
<tr>
<td>Dropped Call Rate</td>
<td>0.24%</td>
</tr>
<tr>
<td>Mobility HOSR</td>
<td>95.86%</td>
</tr>
<tr>
<td>Rx Quality</td>
<td>96.84%</td>
</tr>
</tbody>
</table>

Appendix