Network Performance Report

4th of August 2021 Demonstrations

Network Performance

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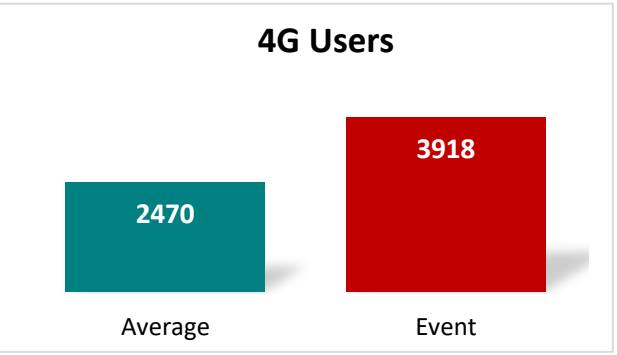
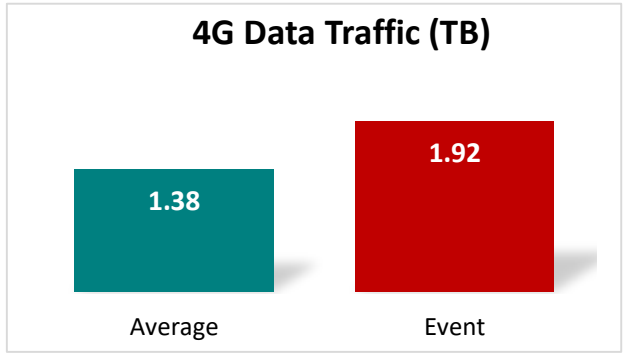
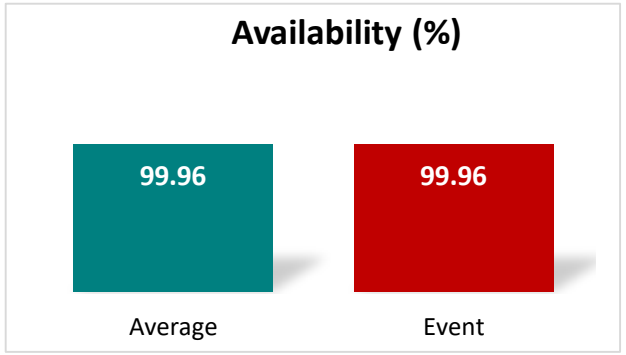
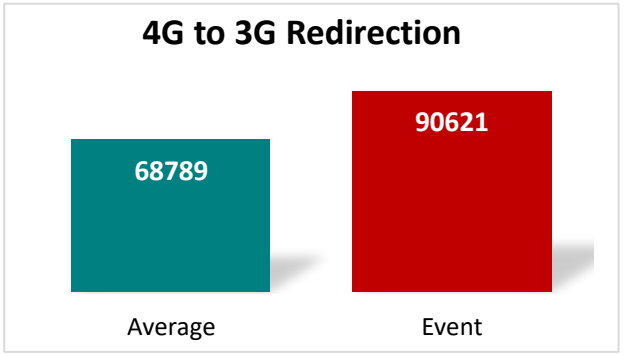
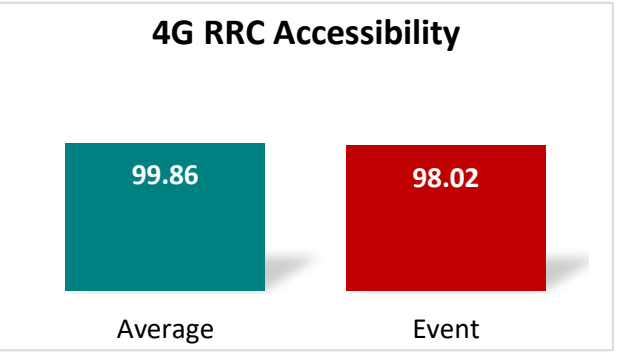
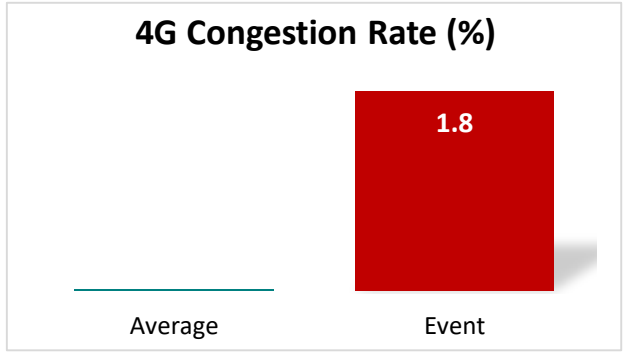


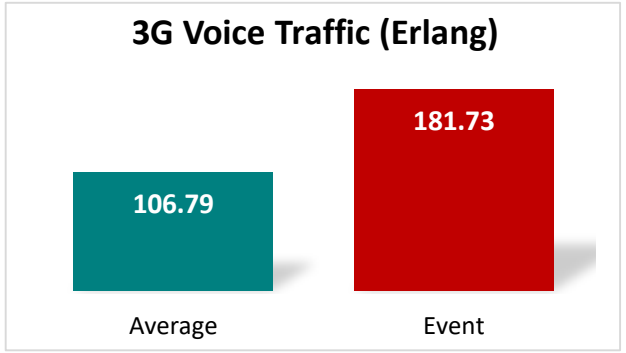


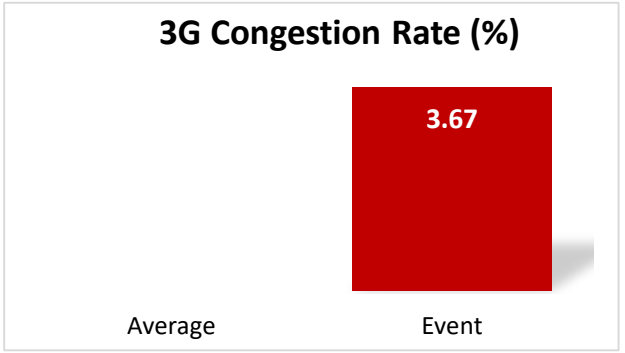












The network performance was maintained during 4th of August demonstrations in Beirut port and downtown areas. Below is a summary of the main KPIs:

- Total Data traffic increased by **~ 60%**
- Total Voice traffic increased by **~ 70%**
- Average Connected Users increased by **40%**
- Network Availability was maintained
- Normal congestion occurred on both 3G and 4G Networks with a normal accessibility degradation (Radio Resources Channels 'RRC' degraded by only 2%)

In a nutshell, close network monitoring along with preventive optimization actions helped to achieve the above efficient results with good Quality of Experience 'QoE'

Network Actions

Summary

Several preventive actions were performed in order to cater for the expected traffic increase prior to the 4th of August, 2021 event. Moreover, The Technical team was present on field and in the office to monitor and perform the necessary Optimization actions during the event, thus maintaining a stable network performance and user experience.

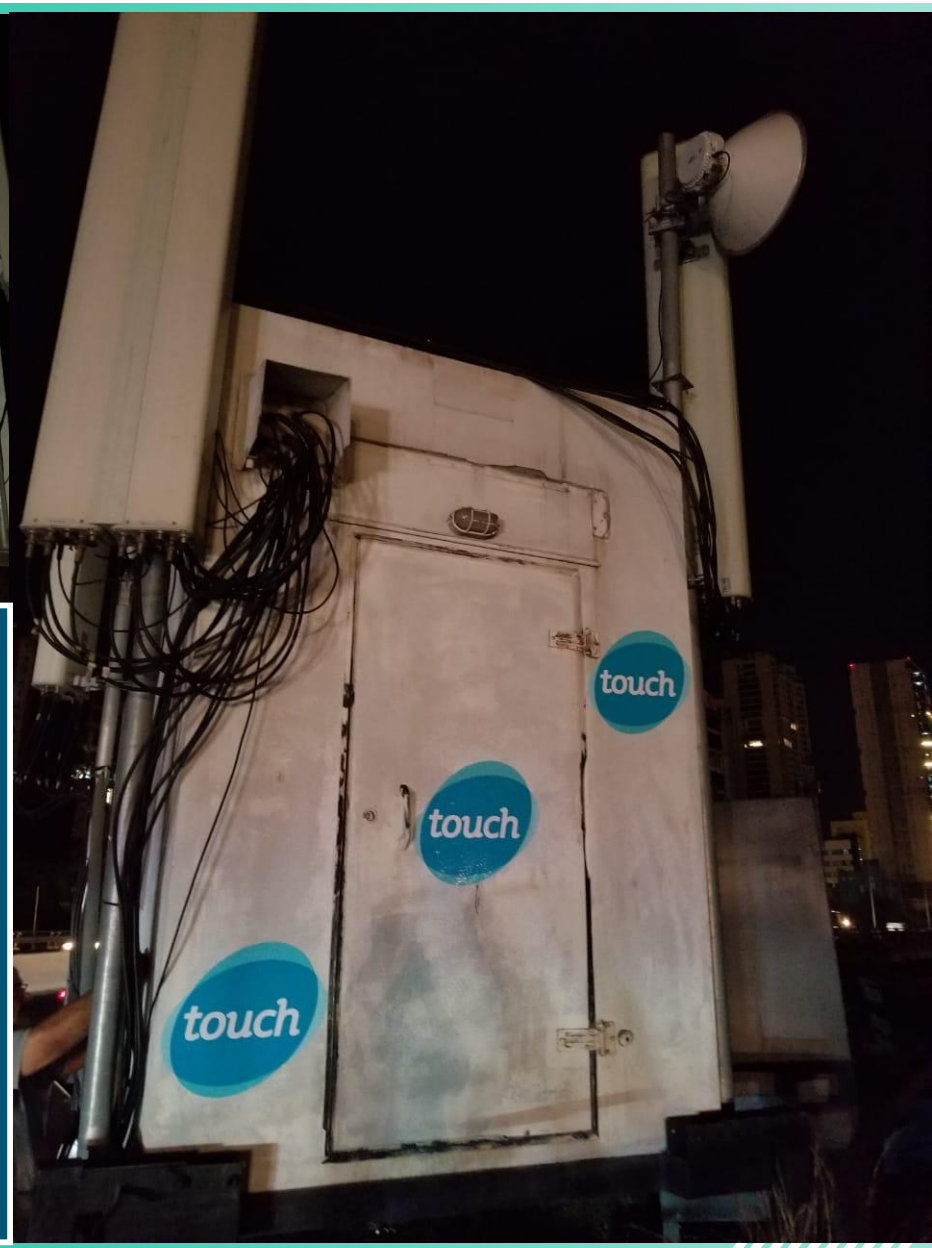
Preventive Actions prior the event:

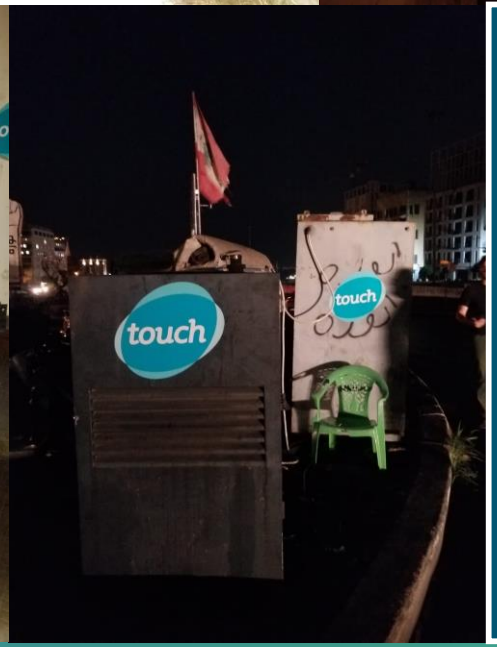
- The deployment of **two Mobile Stations** to cater for the expected traffic increase and coverage improvement in the demonstrations area
- Physical Optimizations on **6 cells**
- Soft Optimization actions on **337** (3G&4G) **cells** covering the area

Optimization actions during the live monitoring

- 1 min granularity monitoring for the Network.
- Tackled Worst cells to improve Main KPIS, balance load and improve user experience
- Soft Optimization actions were applied on **40 cells** to relieve the congestion and cater for the high traffic increase during the event
- Physical Optimization actions were applied on **10 cells** during the event

Field Support





Touch field teams were all the day present to ensure proper network operations and to react immediately in case of emergency. Also, were doing live testing and reporting the network performance from different locations in demonstrations area.