

Our work was enriched in many ways.

We first enhanced details about LTE architectural concepts and a major analysis performed in a different carrier frequency at our disposal.

In subsection *Configurations* a thorough explanation about spatial multiplexing and transmit diversity techniques was given. Also, the concept of code-word was introduced and further explained.

In the *CQI reporting* section a wider analysis about typology of CQI feedback is provided. In details, we described the difference between wide-band CQI and sub-band CQI. Moreover, a further description of Channel State Indicator was introduced and connected to the measurement procedure that takes place at physical layer.

On the analysis side, experimental assessment was conducted also at the 2100 MHz carrier frequency, expanding physical layer analysis and CQI reporting to both 800 MHz and 2100 MHz carriers.

In *Physical Layer Quantities Statistical Analysis* broader experiments were conducted on the 2100 MHz carrier focusing on experimental probability density functions (epdf).

Additional analysis conducted in the newly added frequency concerned RS-related quantities and its comparison with the behavior at 800 MHz measurements. A link between physical layer epdfs and RS-related quantities is then depicted.

In *CQI reports analysis* CQI reporting and analysis for each Transmission Mode and Code Word was introduced also for 2100 MHz carrier frequency. A comparison with 800 MHz quantities is then presented.