



PAWR Project Office

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We are using the COSMOS testbed to develop operator- and vendor- independent LTE and 5G telemetry tools, NR-Scope and NG-Scope. Simultaneously, we are running these tools on COSMOS to perform a longitudinal study of cellular networks in the NYC area. Our poster will illustrate current findings that answer questions, including: How do we model the spectrum consumption of LTE and 5G cell towers in a dense urban environment? How do proprietary scheduling algorithms balance capacity across active UEs? What user traffic patterns dominate, and how do they change over time?