

5G Campus Network : First Measurement Study

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Abstract: *5G campus networks (private networks dedicated to specific organisations) are envisioned to enable industry 4.0 use cases, such as cyclic delay-sensitive robot control. However, prior testing has focused primarily on physical layer characteristics or public networks, leaving a knowledge gap regarding the actual packet-level performance (latency and loss) of private 5G standalone (SA) and Non-standalone (NSA) networks.*

Keywords: 5G Non-Standalone, packet loss, 5G Standalone (SA), latency, one-way delay, Quality of service (QoS), Industrial internet of Things, Industry 4.0, Time-sensitive Networking, packet core, Radio Access Network

