

National Instruments has launched a Test user equipment (UE) offering for 5G lab and field trials at the Brooklyn 5G Summit 2019. This offering features a fully 3GPP Release 15 non-standalone (NSA) compliant system capable of emulating the full operation of end-user devices or UE.

In addition to the launch, NI, Radisys and CommScope collaborated to demonstrate a 28 GHz 5G New Radio (NR) network at the Summit.

This first public demonstration of the three companies' collaboration shows a 28 GHz base station or gNodeB built from a CommScope remote radio unit (RRU) running software developed by Radisys that communicates with an NI Test UE.

With the 5G commercial rollout this year, engineers must validate the design and functionality of 5G NR infrastructure equipment before productisation and release. This is one of the first end-to-end mmWave systems developed, and it demonstrates multivendor interoperability that is critical to the wider 5G ecosystem.

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