

RF Product Test



WCDMA test environment for RF products

Meticulous validation of RF products (e.g. repeaters or amplifiers) in a solid test environment is critical to avoiding problems following field deployment. Testing activities should cover not only functional testing, but – perhaps even more importantly – they should address performance benchmarking, heavy-load situations, as well as a variety of hands-off scenarios, such as between indoor and outdoor cells.

Finally, many RF products used need an optimized set of parameters to achieve maximum performance. Parameter tuning requires a reliable test bed to enable solid performance validation.

Our extensive experience guarantees optimized efficiency

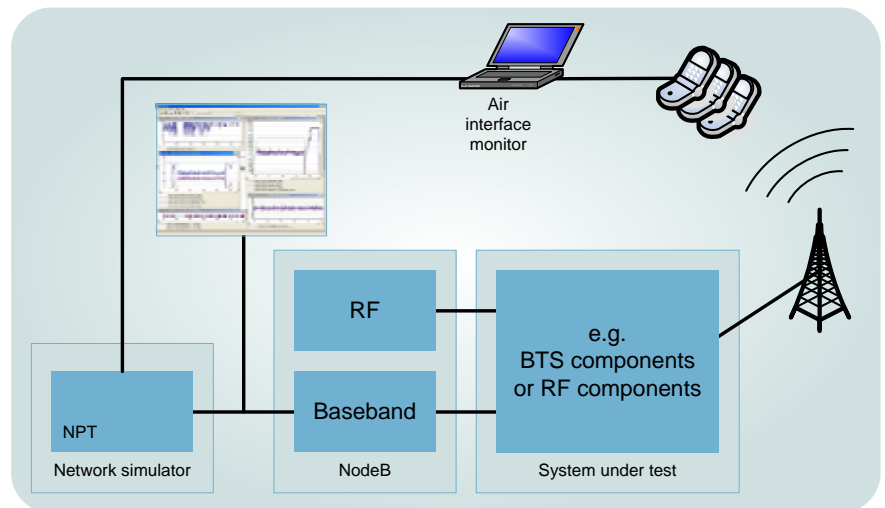
Nash Technologies has acquired over ten years of experience in developing, integrating and maintaining WCDMA BTSs. Our test facilities, which extend from Network Element Test labs through to complete WCDMA networks (including core networks), are available to our clients. Two live networks are used for KPI benchmarking activities, such as drive tests.

Our test environment currently supports the following functionalities:

- UMTS, HSDPA, HSUPA, HSPA+
- Various traffic profiles for optimization
- State-of-the-art RF monitoring equipment

Our lab facilities – the largest of their kind in the world – open up a unique test environment for suppliers of BTS and RF products who wish to extensively validate and/or benchmark their equipment.

Depending on specific requirements, Nash Technologies also offers a test set-up which can be installed locally at the client's facilities. This test system consists of a stripped-down NodeB connected to a network simulator and a commercial UE. Built-in monitoring tools enable easy functionality validation. Moreover, Layer-3 functionality is supported by this environment.



About Nash Technologies

Nash Technologies, based in Nuremberg Germany, develops, tests and supports software for the fast-growing global wireless technology sector. The centre of excellence, with in-depth experience acquired in the world-renowned Bell Labs, joined the Harvey Nash Group as an independent spin-off of Alcatel-Lucent's R&D operation. Nash Technologies' wide-ranging expertise covers all phases of the product lifecycle, and its wireless testing facilities rank among the largest in the world.

Nash Technologies' services comprise wireless communication system development and support, telecommunication testing services as well as embedded software development and testing. We deliver a unique combination of blended onshore and offshore research and development service – in Europe and Vietnam – and are thus ideally positioned to provide our international clients with onshore quality service at a very competitive price.