



NB|METER

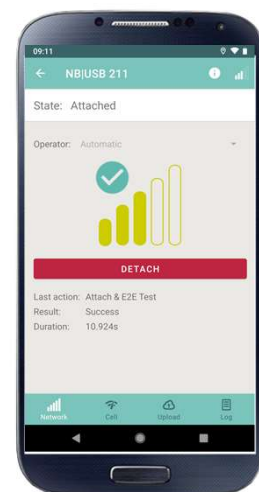
The number of devices connected to the internet via cellular connectivity is continuously growing. To ensure a seamless, power efficient and secure data exchange the 3rd Generation Partnership Project (3GPP) has released the Narrow-Band Internet-of-Things standard (NB-IoT). The NB-IoT technology provides the basis for better cell coverage and revolutionary low power communication solutions for health care, smart home, traffic, logistic systems or industrial applications.

Before IoT devices like smart meters can be installed, the coverage of the NB-IoT network and its performance at the location of the IoT device needs to be ensured.

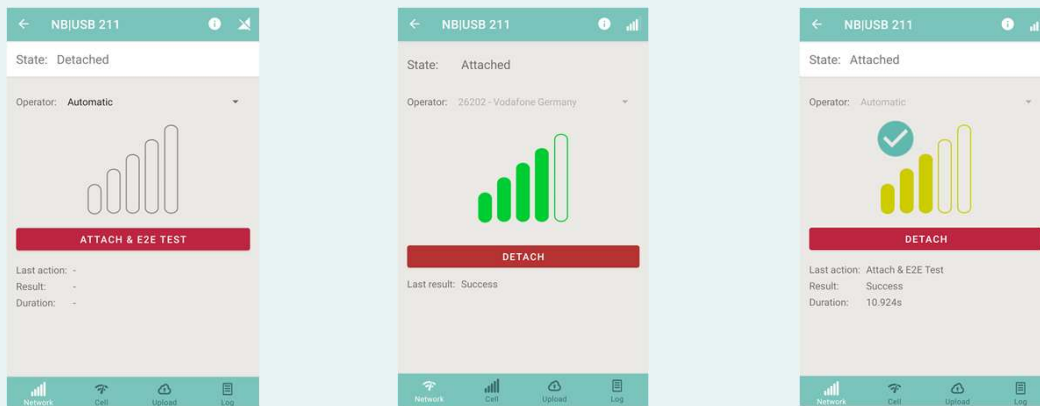
NB|METER offer a simple, but powerful solution, that can be operated with standard Android™ Smartphones. An end-to-end connectivity test can be performed by a fingertip. The results of the test is reported to a cloud for documentation and quality insurance.

#### NB|METER Features:

- Easy-to-use end-to-end test
- Display of Network KPIs
- Cloud storage of the test results
- AT-Command debug console
- Continuous testing



# E2E Connectivity Test with NB|METER



## Features:

3GPP Release 13 LTE Cat NB1

## FDD Bands:

NB|USB 410M

Cat M1, Cat NB1 deployed bands:

1, 2, 3, 4, 5, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28,  
Internal antenna

## Chipset

Qualcomm MDM9206

## Environmental data, quality & reliability Operating

Temperature: -40 ° C to +85 ° C

RoHS compliant (lead-free)

Modem Qualification according to ISO 16750

## Modem certifications and approvals

CE, FCC, ISED, IFETEL, GCF, CCC, NCC,  
PTCRB, RCM, SRRC, AT&T, Telstra,  
T-Mobile, Verizon

## Use Cases: IoT Device Installation

Check E2E connectivity directly on customer premise before IoT devices are installed  
Simple to use customer tool

## Use Case: Network roll-out

Check correct operation of eNB  
Check NW-parameter (SNR, RSSI, RSRP, Cell ID, ECL ...)

## Use Case: Drive Tests

Measure coverage of the network  
Conduct automated UL-testing (i.e. every minute)  
Collect UE statistics & GPS location



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