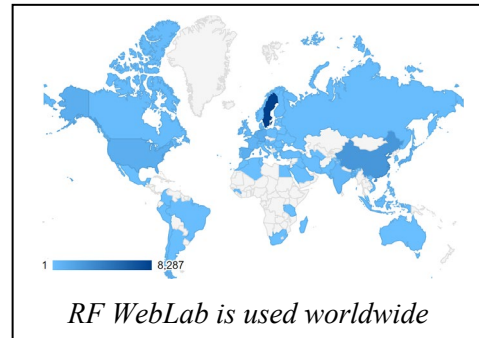


## RF WebLab – Chalmers online RF lab surpasses half a million measurements

Chalmers' researchers created RF WebLab in 2014, a web-based lab for measurements of radio signals. The tool is today frequently used in education and research worldwide and the usage is steadily increasing – now with over 500,000 measurements performed. A need was identified by researchers at Chalmers to bring hardware and software development closer together. This resulted in the development, together with National Instruments, of this web-based and remote-controlled measurement infrastructure for measuring RF signals.

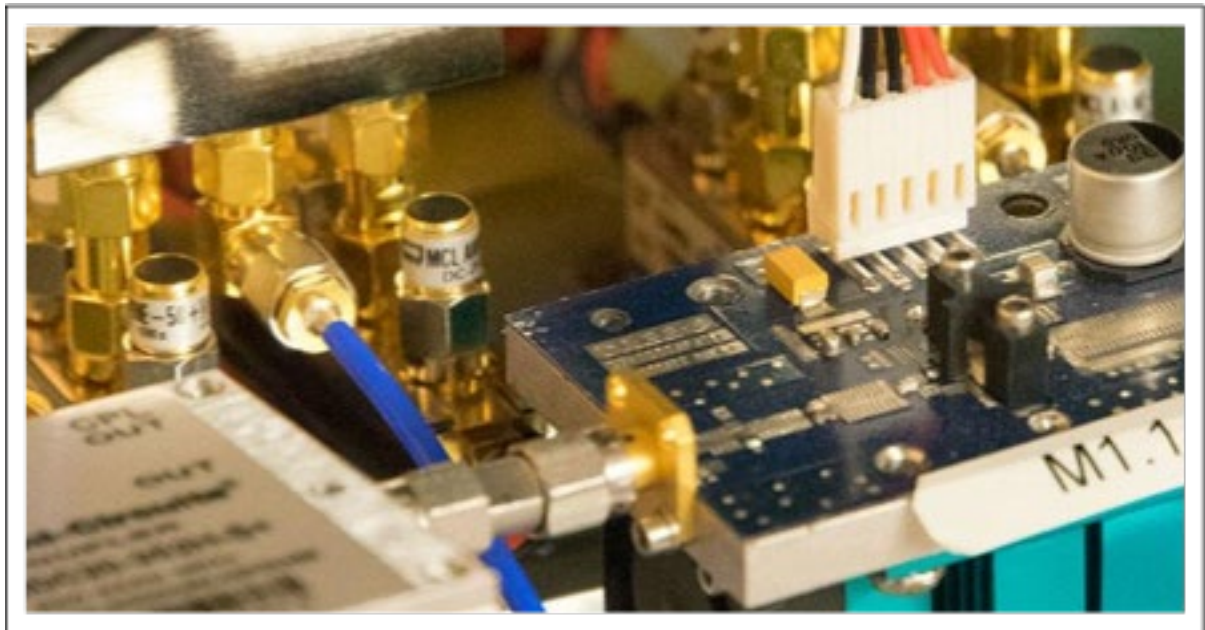
The users come from all over the world, from both academic (researchers and students) and business community (including Ericsson, NXP Semiconductors and Qamcom). The user submits their signal data online to Chalmers RF WebLab, where the actual measurements take place, and the received signal result is sent back to the user. RF WebLab allows users to perform real high frequency measurements without having to buy or manage complicated high frequency instruments. The RF WebLab is therefore a very valuable tool for those who do not have access, both for logistical and financial reasons, to laboratory measurement equipment. The tool contributes to reducing the threshold for collaboration between software developers or software researchers and hardware developers/researchers by not having to go to a lab.



<http://dpdcompetition.com/rfweblab/>

Press release Chalmers (2018):

<https://www.chalmers.se/en/areas-of-advance/ict/news/Pages/Popular-online-lab-reach-over-380-000-measurements.aspx>



*RF WebLab Hardware (photo: Malin Ulfvarson)*