

ESCATEC adds Wireless Testing to its Swiss manufacturing facility

Heerbrugg, Switzerland – 26 May 2015 – ESCATEC, one of Europe’s leading providers of contract and manufacturing services, has added a wireless testing to its manufacturing facility in Heerbrugg, Switzerland.

“The Internet of Things will mean that almost all products will have some form of wireless interface,” said Thomas Eschenmoser, ESCATEC’s Section Head Test Engineering. “During manufacture it is vital to test the wireless output of each device to ensure that it is functioning correctly and that there are no unexpected signals caused by a fault that would interfere with other devices. The new wireless test unit is capable of testing across the radio spectrum to include WiFi, 3G, Bluetooth, etc.”

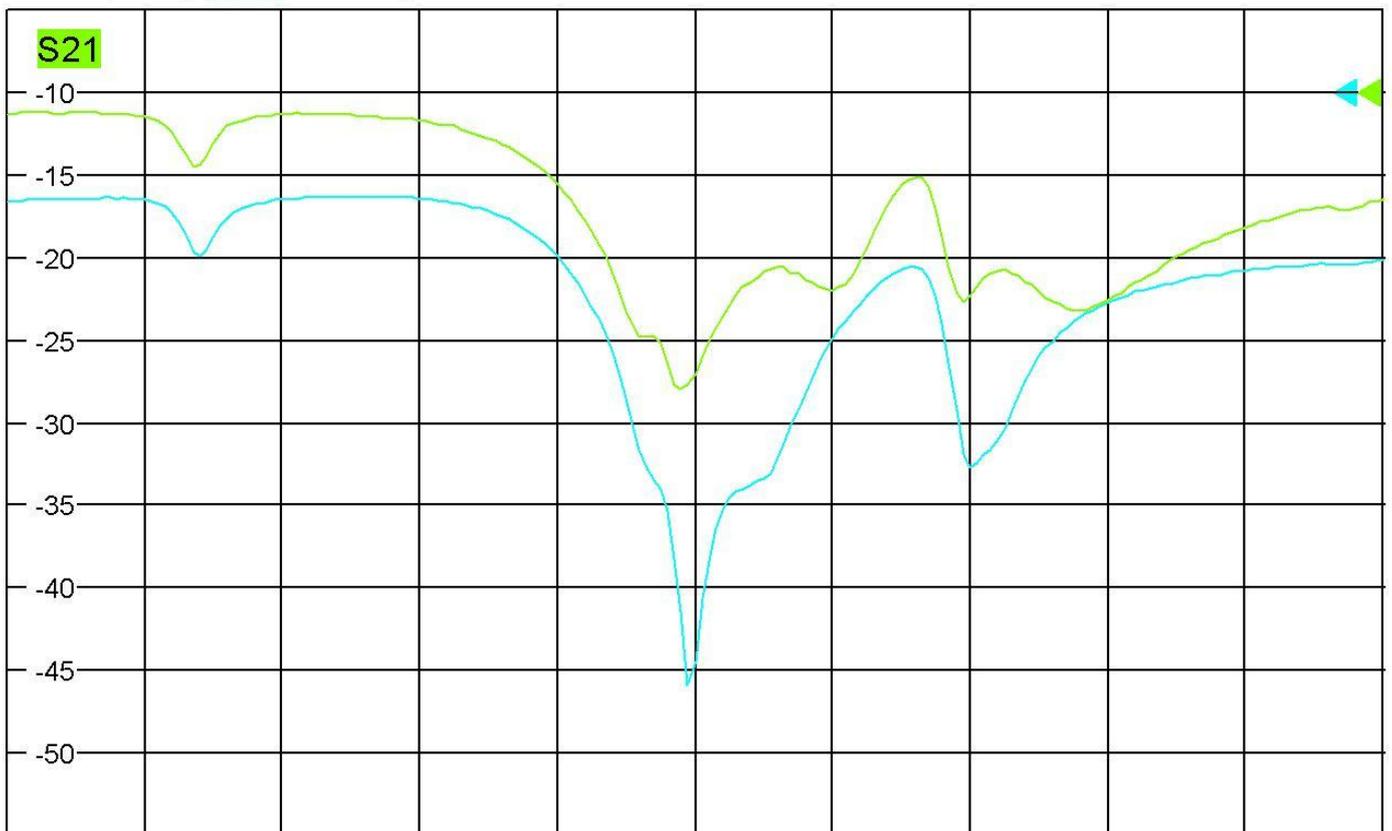
A key challenge that ESCATEC solved was making the test regime of the spectral analyser fully automatic. This is part of ESCATEC’s programme of making testing as automatic as possible to reduce production costs. “The network analyser is a complex measuring instrument that requires a lot of knowledge to use,” explained Thomas Eschenmoser. “The staff on the production line don’t have this skill base so we devised a test programme that can take the analyser through all its tests quickly and automatically giving a simple pass or fail for each product.”

Another challenge was the need to calibrate the analyser quickly for product production changes. Again, a software programme has been generated that enables this to be done automatically when required.



Trc1 S21 dB Mag 5 dB / Ref -10 dB Cal Off
Mem2[Trc1] S21 dB Mag 5 dB / Ref -10 dB

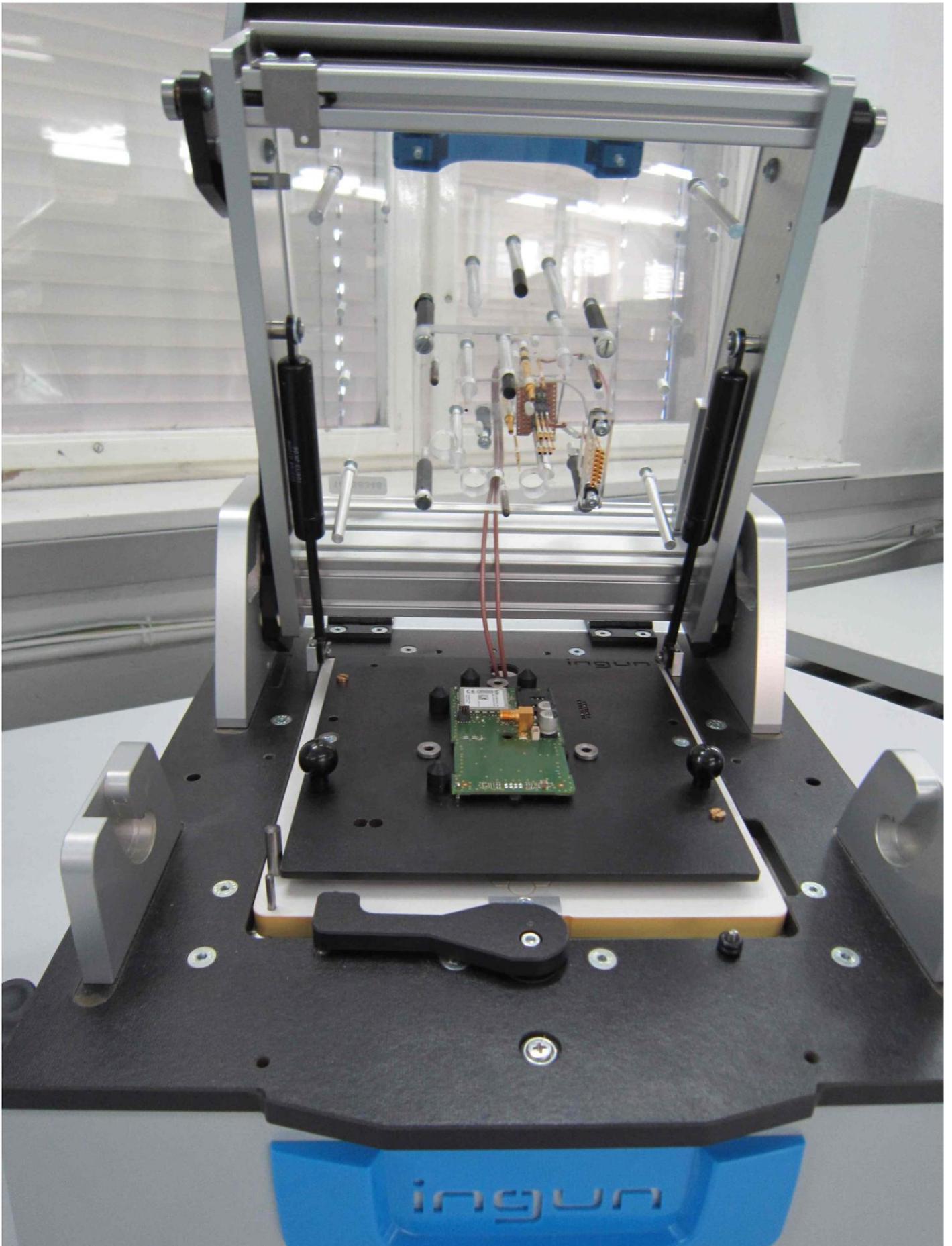
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Ch1 Center 869.2125 MHz Pwr -30 dBm Span 5 MHz

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The wireless test unit

ESCATEC

The ESCATEC Group provides fully-integrated electronic and mechatronic design and manufacturing solutions to assist customers in achieving success in their market. Its one-stop solutions and best-in-class service enable companies around the world to operate more profitably, sustainably and efficiently. Founded in 1984, its history is full of innovation, which made it a first choice partner for many European and North American OEMs. The Swiss-owned company perfectly blends Swiss business philosophy and attention to quality, precision and detail with the advantage of low-cost, mass-volume manufacturing capabilities in its Asian factories.

Further information about ESCATEC, one of Europe's leading providers of contract design and manufacturing services: www.escatec.com enquiries@escatec.com

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