



TEST AND CONSULTING SERVICES

QUALITY ASSURANCE

As the digitalisation of television moves forward, the industry is experiencing a significant rise in sales of DVB/IP receivers to consumers. While this is good news for manufacturers, a new issue is emerging as the “receiver population” grows; it is that even the smallest of technical failures can overwhelm a customer service center with calls and, ultimately, greatly increase service costs.

We offer comprehensive test services and first-class technical support that quickly identifies quality problems or restricted receiver functions.

Our quality assurance tests make sure that your receivers operate reliably in the required network configuration and that they are future-proof – before market launch. We carry out numerous refined test sequences to check compliance with technical requirements and legal regulations. Failures are rapidly identified and your critical time-to-market process is significantly shortened. We can also identify malfunctions in software updates and system modifications in advance to prevent problems during everyday operation.

A BROAD RANGE OF TESTING SERVICES

Our distinctly professional range of services is anything but conventional. We offer everything from the coordination and planning of all tests, to the actual test phase to detailed and conclusive test reports. We carry out function and platform tests at our test center or by remote control using our ATF with you on-site.

We do individual and comprehensive tests, with regard to your network-specific requirements, as well as in terms of maximum functional dependability and an excellent level of stability of the final products.

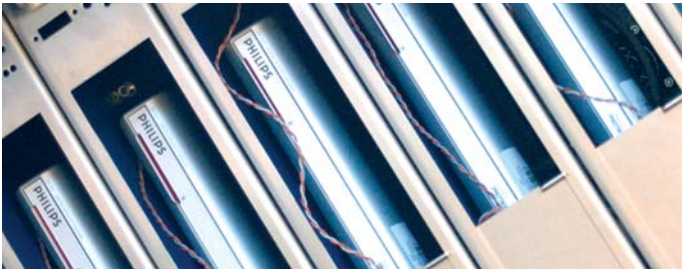
FROM THE USER'S PERSPECTIVE

TESC always tests digital TV receivers from the user's point of view by realistically simulating the habits and behaviour of TV consumers. Specifically, this covers:

- ▶ **Setup functionalities**
- ▶ **Connectivity (SCART, HDMI, ...)**
- ▶ **Service scanning**
- ▶ **Audio and video decoding**
- ▶ **Audio and video options**
- ▶ **Teletext**
- ▶ **Dolby Digital**
- ▶ **Lip synchronisation**
- ▶ **Usability**
- ▶ **Electronic program guide (EPG)**
- ▶ **Applications**
- ▶ **Stability and reliability**
- ▶ **System software updates (OTA)**
- ▶ **Recording functions**
- ▶ **Parental control**
- ▶ **Copy protection**
- ▶ **Digital Rights Management**

BENEFIT FROM OUR EXPERIENCE

TESC is one of five authorised support centers in the world to offer Nagravision Advanced Security Concept (NASC) and Conditional Access Kernel (CAK) integration with Nagravision's value-added content protection solutions. With more than ten years of experience in the area of digital TV technology, we have considerable expertise in the design of test scenarios and the generation of test signals. Our services help to make your products work and, above all, increase subscriber satisfaction.



RELIABLE

We create detailed specifications, comprehensive test plans, and absolutely realistic test scenarios. You define the framework conditions and we look after the details.

FLEXIBLE

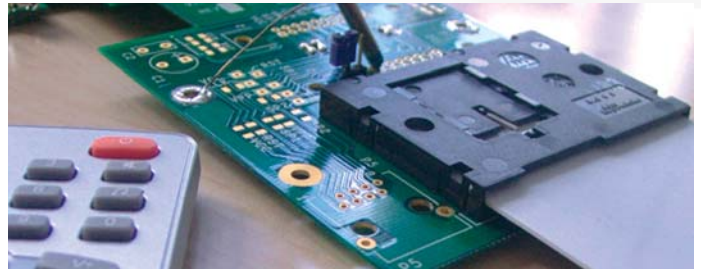
Our mobile remote test system delivers quick and detailed test results at the location of your choice.

DETAILED

You benefit from the thorough knowledge we have gained by performing certification tests of more than 150 receiver models. Our innovative and flexible test methods have set standards in the quality assurance of DVB/IP receivers for years – with thousands of verified test sequences, some of which are automated. We round off our full range of services with detailed test reports which allow you to draw the right conclusions for developing your products.

UNLIMITED INTEROPERABILITY

We test the interoperability of smartcards and CICAM modules as well as end-to-end solutions (from headend to receiver). What's more, our platform tests ensure the continuous interoperability of receivers in new CAS and headend configurations, modified DVB signals, new playout equipment or other modifications to the cable network.



PROFESSIONAL

We generate individual transport streams, including PSI/SI editing, and can record or playout multiple transport streams simultaneously. Other services include the simulation of OTA software updates and the reproduction of realistic cable networks.

LABROOM OR LABUSE?

Make use of our technical infrastructure with its extensive signal provision for satellite and cable reception. Additionally, you can utilise the technical support provided by our staff. Our "LabRoom" offer is aimed especially at development teams looking to develop and perform tests independently using standard signals. "LabUse", on the other hand, gives you access to the full range of test signals. Either way, you will quickly arrive at your goal.

THE COMPANY

TESC Test Solution Center GmbH, a Kudelski Group company, operates a globally acknowledged test laboratory and support center for digital television. Equipped with the latest technology, our qualified engineers, media technicians and physicists use innovative test procedures to make sure that DVB/IP receivers operate reliably. Over the last few years these high standards have allowed us to establish ourselves successfully as a premier test and solution partner in the DVB/IP market.



TESC Test Solution Center GmbH
Phone: +49 89 1250-3000
E-Mail: info@tesc.tv
www.tesc.tv