

Ligada iSuite for HbbTV:

An overview

Trusted by CE manufacturers and operators for over ten years, our Ligada iSuite delivers thorough validation of HbbTV compliance.

Core capabilities

Ligada iSuite is a complete HbbTV test harness and set of test suites designed to support interoperability, conformance and certification testing for hybrid digital TV receivers.

Manufacturers and operators rely on our Ligada iSuite because it's specifically engineered to target areas where interoperability issues have historically posed the most significant challenges. It helps ensure consistent performance across HbbTV implementations and fully complies with all HbbTV versions and optional specifications:

HbbTV version	Ligada iSuite
HbbTV 2.0.4	✓
HbbTV 2.0.3	✓
HbbTV 2.0.2	✓
HbbTV 2.0.1	✓
HbbTV 2.0	✓
HbbTV 1.5	✓
HbbTV 1.0	✓
Operator applications	✓
Targeted advertising	✓
Application discovery over broadband	✓
WAVE DPCTF and WMAS support	✓
DVB-I	✓
DRM	✓

Our Ligada iSuite also supports several HbbTV profiles globally, including in:

France | Spain | Australia | New Zealand | Singapore | Malaysia | NorDig | UK | Italy | Germany

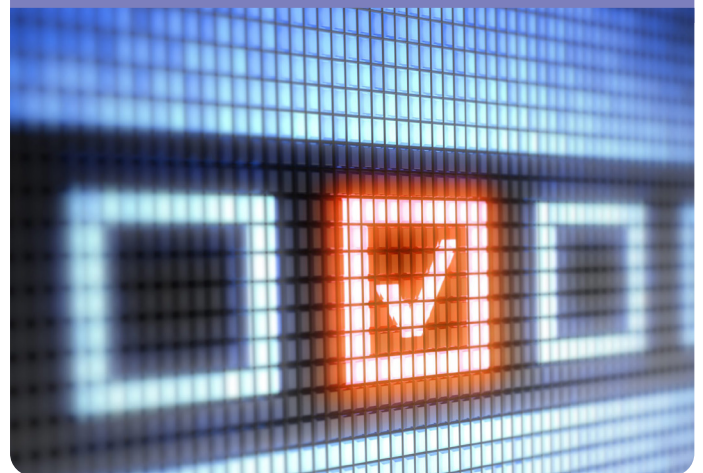
If you need support with a country-specific profile not mentioned here, our team of experts can help. For the latest information on our test suites and test plans, visit our dedicated webpage: <https://ligada-hbbtv-test-suites.resillion.com/>

Ligada iSuite Test Harness profile

The Ligada iSuite Test Harness is powered by an advanced automation engine, enabling a large portion of the HbbTV test suite to run unattended, significantly reducing the time and cost associated with validation and conformance.

This robust and reliable off-the-shelf solution has a modular architecture that provides exceptional flexibility. Whether you require the full test harness or a more streamlined setup, components can be easily enabled or disabled to deliver a solution tailored to your organisation's requirements.

If you want to maximise your testing workflow and shift left with confidence, the Ligada iSuite Test Harness is an ideal way to set up testing that meets your needs.



Examples of Ligada iSuite Test Harness tailoring

- **Eliminate the need for physical IR blasters and webcams.** Our automation server interfaces directly with the device using manufacturer APIs, enabling seamless device control and screen recording / screen capture, resulting in more robust and reliable nightly test runs.
- **Automatically capture detailed device logs** upon test failure and raise issues automatically to aid debugging.
- **Connect Ligada with third-party tools** like Jira, Git, TestRail or your in-house systems.

HbbTV Minimum Test Harness profile

We're proud to continue providing the HbbTV Minimum Test Harness, a tool built for HbbTV that allows the modification and manual execution of core HbbTV test cases. It's ideal for users / developers who don't require automation.

Harness version comparison

Feature	HbbTV Minimum Test Harness	Ligada Test Harness	Ligada Test Harness +
Dynamic TS and DSMCC generation, plus TS available for download	✓	✓	✓
Custom test case development	✓	✓	✓
Integrated web server for HbbTV and VOD delivery	✓	✓	✓
Test plan creation based on features the device supports	✓	✓	✓
Web-based UI	✓	✓	✓
AV sync testing with Resillion hardware	YES (with hardware purchase)	✓	✓
HbbTV / CI+ testing	YES (with hardware purchase)	✓	✓
Stream playout via DVB-C/T/T2/S/S2	—	✓	✓
DVB frequency setting selection	—	✓	✓
Supports UDP and RTP multicast	—	✓	✓
Network shaping	—	✓	✓
Parallel testing	—	✓	✓
View Redmine issues for HbbTV test cases	—	✓	✓
Automated IR blaster control	—	✓	✓
Automated power cycle control	—	✓	✓
Image, video and audio capture for post-test analysis	—	✓	✓
Trigger test runs via scheduler (Ligada API)	—	✓	✓
Report generation (XML, Excel, PDF, JSON)	—	✓	✓
Custom manufacturer APIs (device control, screen capture / recording)	—	—	✓
Custom in-house software integration, e.g., custom schedulers	—	—	✓
Third-party software integration (TestRail, Jira, DevOps, Github, etc.)	—	—	✓
Enhanced logging	—	—	✓

Why Resillion

We're a global testing and quality engineering partner from initiation to launch. We have:

- more than **20 years' experience** providing end-to-end testing solutions to hundreds of clients spanning all major sectors
- **700 experts** with a commitment to driving success, deploying cutting-edge technology and a passion for quality
- a **strong global talent** pool in India, China, Belgium, the Netherlands, Germany, the US and the UK
- best-in-class technologies, leading solutions and industry-recognised services to **support our clients** throughout the digital lifecycle.

Explore the potential of Ligada iSuite

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