

Ellisys WiMedia Platform Pre-compliance Test Solution

Ensure your device is fully compliant by using the same setup featured at WiMedia Platform Compliance events!

WiMedia Platform

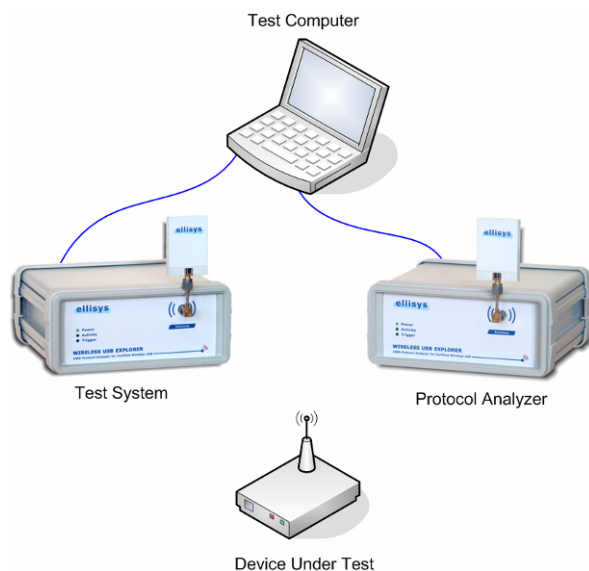
- The WiMedia Platform enables multiple devices implementing different protocols to share the same wireless medium in an efficient way
- Any WiMedia-based device must comply to the WiMedia Platform to ensure a smooth interoperability with other WiMedia-based devices

WiMedia Platform Compliance Workshops

- The WiMedia Alliance defined a platform test specification describing the test cases a device under test must succeed to be considered as compliant
- Devices can be certified at WiMedia Platform Compliance Workshops
- Ellisys provides a pre-compliance solution extensively tested at WiMedia Platform Compliance Workshops

WiMedia Platform Test Setup

- A Test System interacts with the Device Under Test to create the specified test cases
- A Protocol Analyzer records the traffic exchanged between the devices to a file
- A Protocol Analysis Software analyzes the recorded traffic to verify that the Device Under Test has a compliant behavior



Ellisys Solution

- The Ellisys WiMedia Explorer 300 Generator acts as Test System by implementing all test cases defined by the WiMedia Platform Test specification
- The Ellisys WiMedia Explorer 300 acts as WiMedia protocol analyzer and records all traffic exchanged between the WiMedia Explorer 300 Generator and the Device Under Test
- The Ellisys WiMedia Protocol Analysis software implements all background verifications defined by the WiMedia Platform Test specification to verify the device compliance
- The Ellisys WiMedia Compliance Tester automates the complete compliance test session by controlling the protocol analyzer recording, by managing the test system operation, by running all verifications and by generating a compliance report
- Issues can be easily debugged by using the extensive features of the WiMedia protocol analysis software

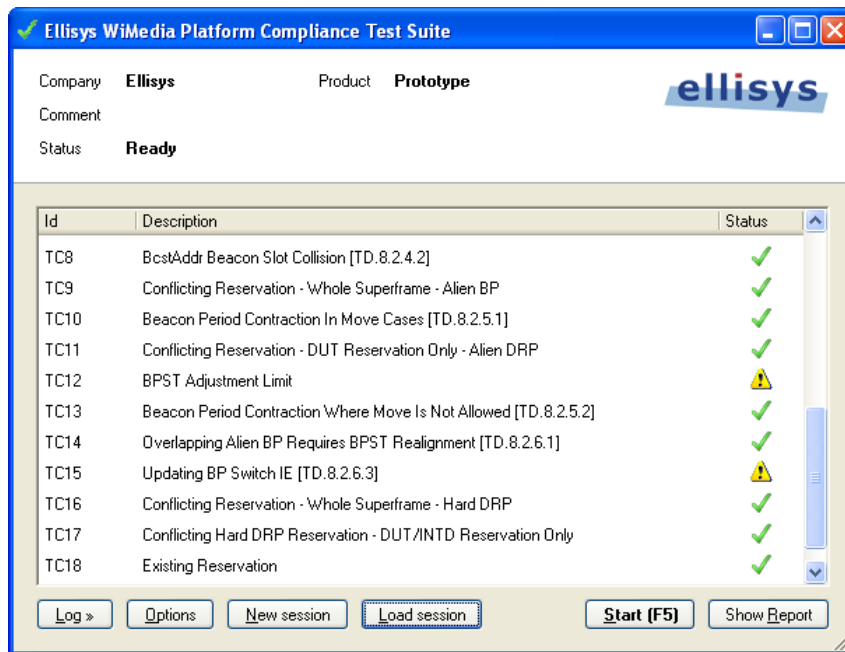


Figure 1 - The automated compliance software enables to run each test case with one mouse click.

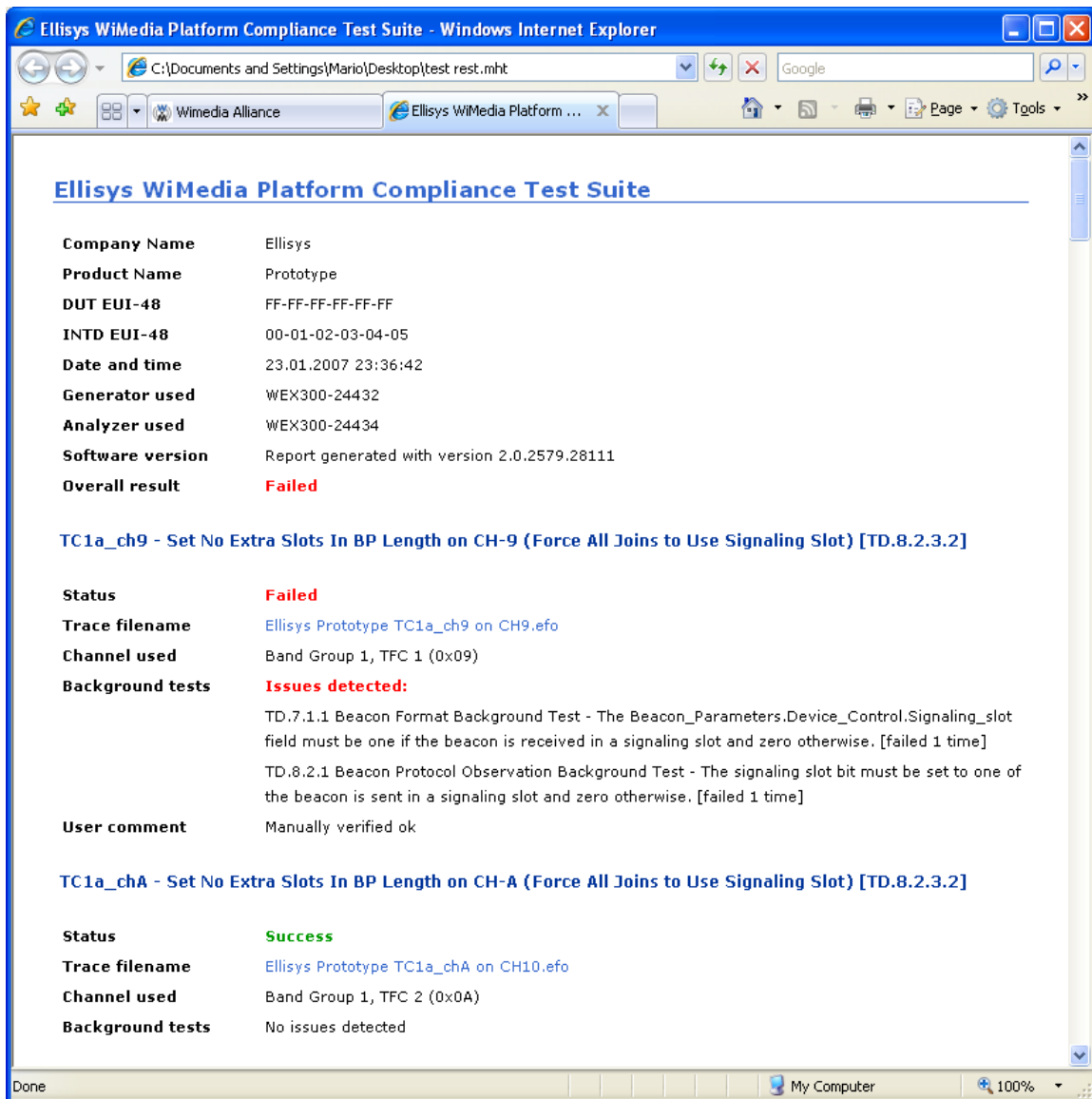


Figure 2 - A compliance report showing all detected issues is then generated.

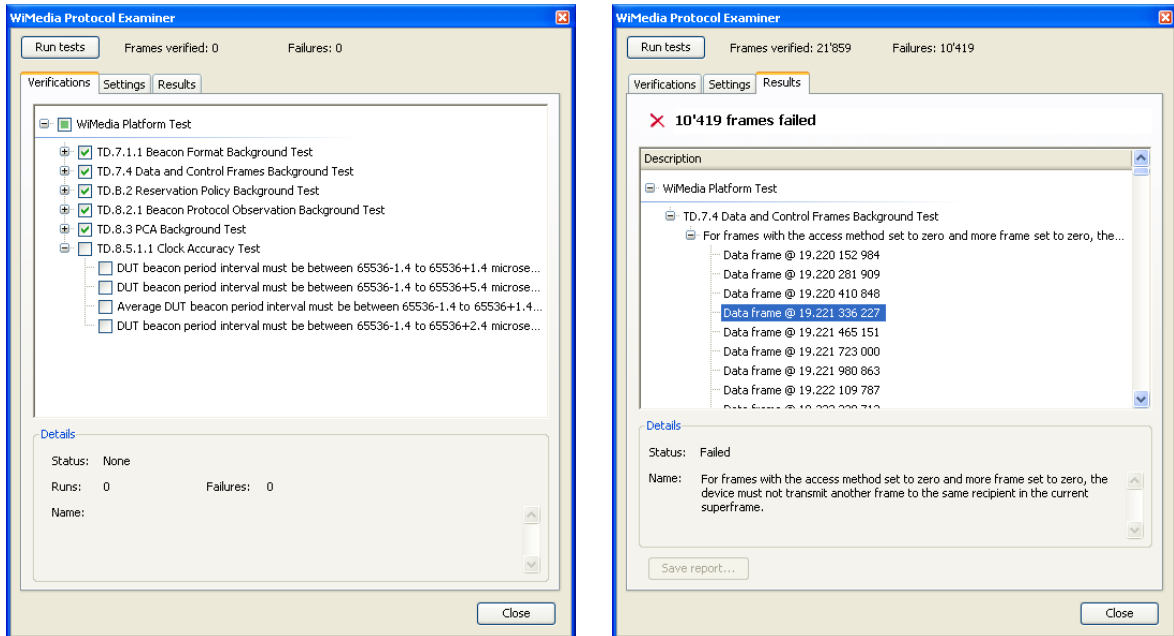


Figure 3 - The WiMedia protocol analysis software enables to debug in details every issues detected by the automated tool. It is possible to navigate through the issues and see the related frame to understand the problem.

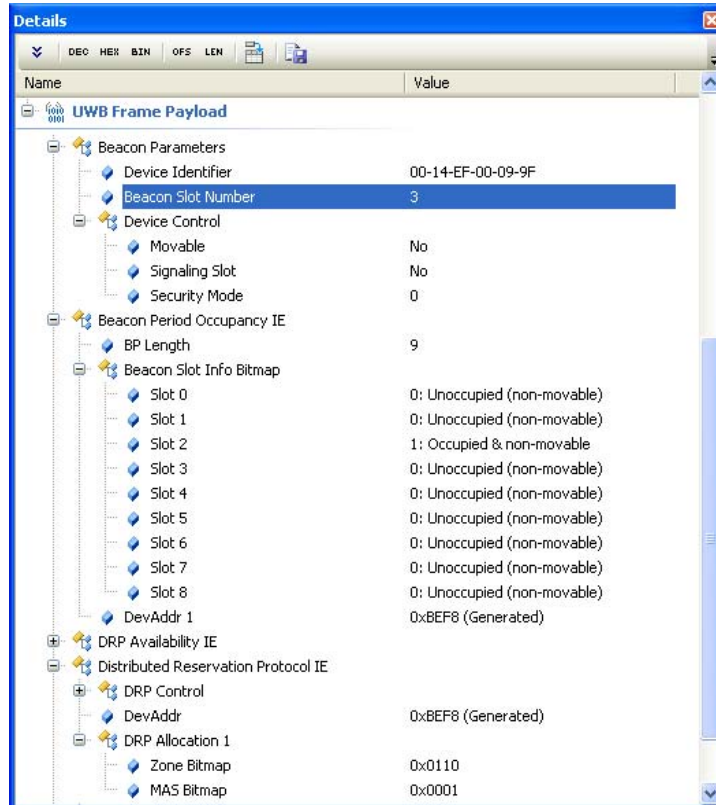


Figure 4 - Every protocol field can be viewed with the extensive protocol decoding window.

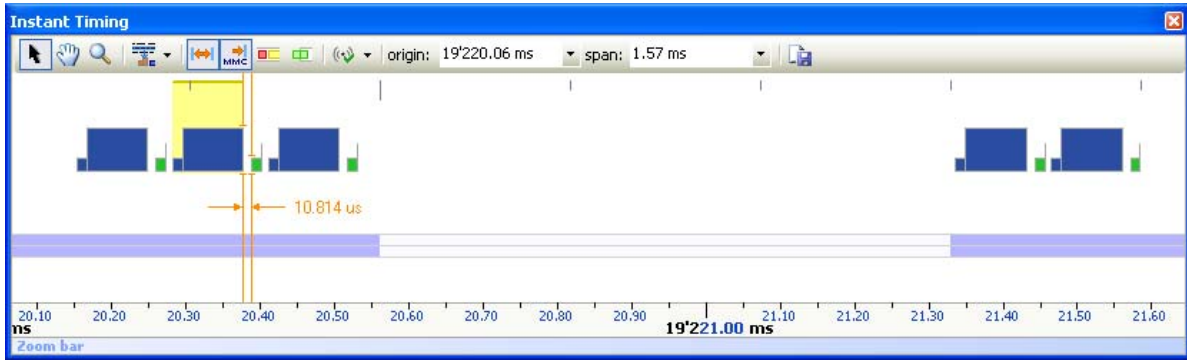


Figure 5 - The timings can be viewed graphically with the innovative Instant Timing window.

Included in the solution:

- Ellisys WiMedia Explorer 300 Analyzer
- Ellisys WiMedia Explorer 300 Generator
- Ellisys WiMedia protocol analysis software
- Ellisys WiMedia frame generation software
- Ellisys WiMedia Platform test cases scripts
- Ellisys WiMedia Platform background verifications
- Ellisys WiMedia Platform Compliance automated tester