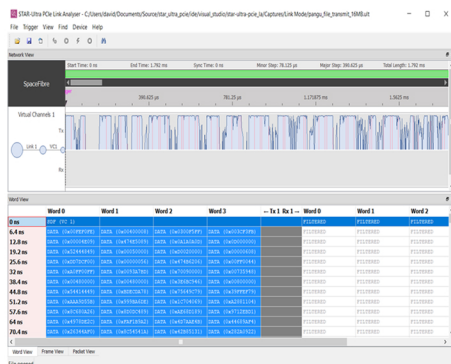## SPACEFIBRE TEST EQUIPMENT

Test equipment required for the Hi-SIDE project to support the development, testing, integration and software debugging of the Hi-SIDE demonstration system has been developed by STAR-Dundee. The STAR-Ultra PCIe board has two four-lane ports. It is able to send and receive data from a host PC at over 10 Gbit/s. A link analyser on port 1 is able to capture and display vast amounts of SpaceFibre data. Applications are able to send and receive packets that encapsulate data from files in various formats, substantially easing the testing of SpaceFibre based data-handling systems.

Link Analyser Display

TARGET

PERFORMANCE:
6.25 GBIT/S PER LANE
>10 GBIT/S PER LINK

CAPABILITIES:
INTERFACE TO HOST
PC LINK ANALYSIS

ACHIEVEMENTS

6.25 Gbit/s per lane.

High data rate (> 10 Gbit/s) file transmit and receive applications with packet encapsulation.

Intuitive data browsing, display and analysis capabilities.

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