service integrity
signal integrity
remote monitoring

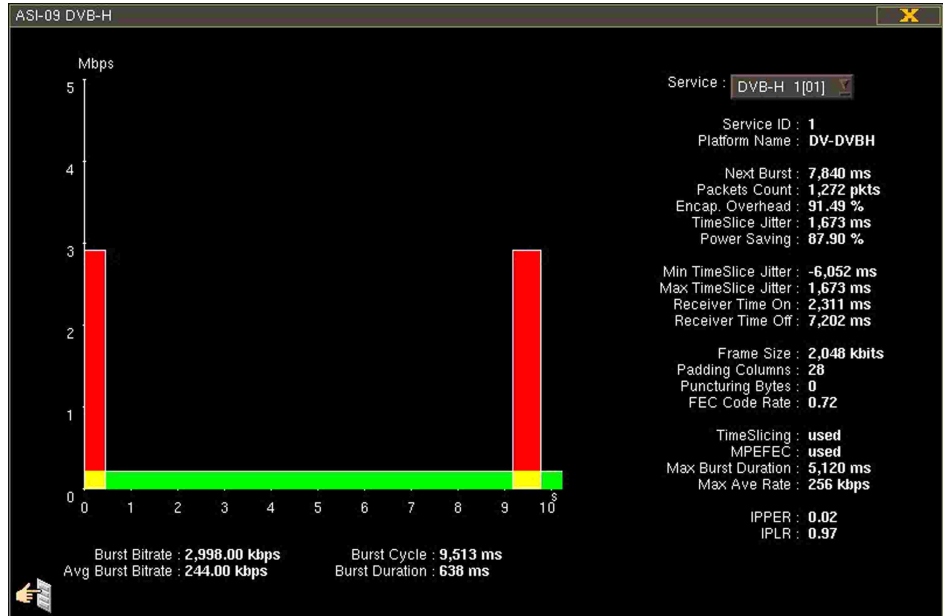# DVB-H Analysis Application

TIME SLICE MONITORING

DVB-H Analyzer is a software application for real-time monitoring of the transmission of time sliced DVB-H Data.

DVB-H Analyzer is an application for the Pixelmetrix Transport Stream Analyzer TSP-100 and works with any DVStation family product (DVStation210, DVStation-Remote or DVStation-Pod) fitted with a TSP-100 module.

The application enables comprehensive analysis and monitoring of many performance parameters within a specific DVB-H service such as time slice, efficiency and transmission error rates.

KEY FEATURES

- Time slice analysis
- Visualization of time sliced burst transmission
- Time slicing metrics
- Measurement of DVB-H FEC performance
- Long-term logging of all measurements
- Programmable alarm sub-system for all measurements
- Multiple configuration profiles and round-robin scheduler for monitoring multiple services
- Multi-user remote access over LAN, internet or modem connection via VNC or HTTP
- SNMP and CORBA system interfaces

ASI-09 DVB-H

Service : DVB-H 1[01]

Service ID : 1
Platform Name : DV-DVBH

Next Burst : 7,840 ms
Packets Count : 1,272 pkts
Encap. Overhead : 91.49 %
TimeSlice Jitter : 1,673 ms
Power Saving : 87.90 %

Min TimeSlice Jitter : -6,052 ms
Max TimeSlice Jitter : 1,673 ms
Receiver Time On : 2,311 ms
Receiver Time Off : 7,202 ms

Frame Size : 2,048 kbits
Padding Columns : 28
Puncturing Bytes : 0
FEC Code Rate : 0.72

TimeSlicing : used
MPEFEC : used
Max Burst Duration : 5,120 ms
Max Ave Rate : 256 kbps

IPPER : 0.02
IPLR : 0.97

Burst Bitrate : 2,998.00 kbps
Avg Burst Bitrate : 244.00 kbps
Burst Cycle : 9,513 ms
Burst Duration : 638 ms

SPECIFICATIONS

Standards
- DVB-H (ETSI EN 302 304)

System Requirements
- TSP-100 (DVStation210, Remote or Pod)

Visualization
- Time vs MPE Bandwidth Graph
- Burst and Average Bandwidth
- Configurable Time and Bandwidth Scales

MPE FEC Measurements
- MFER
- IP-PER
- IPLR
- MPE-FEC Error

Time Slice Measurements
- Burst MPE Bit Rate
- Average MPE Bit Rate
- Burst Size
- Burst Duration
- Time Slice Jitter

DVB-H Efficiency Measurements
- DVB-H Encapsulation Overhead

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