



# New DSAM<sup>XT</sup> Equalizer Option quickly pinpoints hidden causes of reflection

## Key Benefits

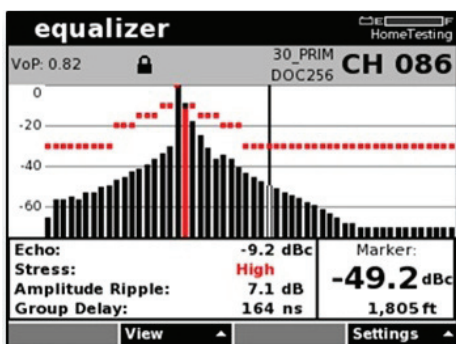
- Speeds downstream troubleshooting
- Uncovers hidden causes of reflection issues
- Quickly identifies root cause

## Applications

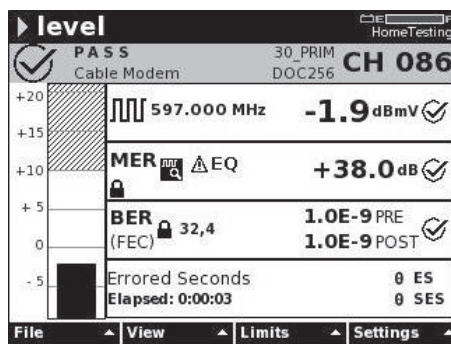
- Verify QAM signal performance quality throughout the network, including headend, hub, distribution, and home
- Easily identify and troubleshoot hidden issues causing reflection
- Troubleshoot narrow-band RF transmission issues caused by suck-outs and diplex roll-off

The DSAM Equalizer Option speeds downstream troubleshooting and helps uncover hidden faults by providing enhanced quadrature-amplitude modulation (QAM) signal information. The equalizer mode graphs the DOCSIS receiver equalizer taps so technicians can identify problem-causing reflections quickly. DSAMs with the equalizer option provide a warning indicator in the level measurement mode to alert technicians of an equalizer-limit issue. Technicians can simply switch to the equalizer mode for a graph with a marker to identify the tap exceeding the limit and the calculated distance to the reflection source. The equalizer mode also displays the in-channel response and group delay for the tuned channel to help technicians troubleshoot narrow-band radio frequency (RF) transmission issues caused by suck-outs or diplex roll-off.

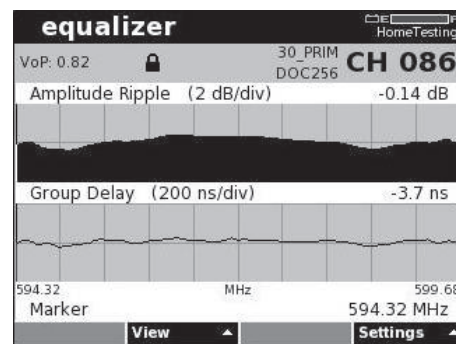
For more information about the DSAM and related products/options, visit our [www.jdsu.com/test](http://www.jdsu.com/test) or contact your JDSU representative.



The equalizer tap graph shows reflections and distance to the source.



An "EQ" warning appears in the level mode when a tap related issue exists.



In-channel response and group delay measurements help troubleshoot narrowband RF transmission issues.

# New DSAM<sup>XT</sup> Equalizer Option quickly pinpoints hidden causes of reflection

## Ordering Information

Ordering Number	Description
DSAM-EQUALIZER-OPT	Equalizer option, graphs DOCSIS receiver equalizer taps and shows QAM signal in-channel response and group delay— New DSAM option (D3 option required)
DSAM-EQUALIZER-UPG	Equalizer option, graphs DOCSIS receiver equalizer taps and shows QAM signal in-channel response and group delay— Field upgrade (DSAM must be an XT equipped with D3 option)



**North America**  
Tel: 1 855 ASK-JDSU  
1 855 275-5378

**Latin America**  
Tel: +1 954 688 5660  
Fax: +1 954 345 4668

**Asia Pacific**  
Tel: +852 2892 0990  
Fax: +852 2892 0770

**EMEA**  
Tel: +49 7121 86 2222  
Fax: +49 7172 86 1222

[www.jdsu.com/test](http://www.jdsu.com/test)