

Agilent N3520M DSPedia self-paced training DVD

DSP for Communications Training Curriculum
and SystemVue Resource DVD (5-user license)

Data Sheet

Introduction

This self-paced training DVD provides a comprehensive curriculum of wireless, signal processing, and product training for up to 5 licensed users. Developed with our partner, Steepest Ascent Ltd., the N3520M DSPedia DVD contains over 20 years of industry experience and is a highly recommended resource for all users of Agilent SystemVue.

Productivity & Problem Solving

The N3520M DSPedia DVD is a comprehensive, hyperlinked library of 94 short courses on signal processing, communications, and implementation topics. It includes over 6000 pages of self-paced training, representing many weeks of virtual classroom experience from first principles to an advanced level.

The N3520M DSPedia DVD also includes nearly 300 hands-on workspaces for Agilent SystemVue. These workspaces are coordinated as exercises in a 366-page companion workbook to provide a truly interactive, self-paced classroom on not only SystemVue, but also math, DSP, Communications, and Fixed-point realizations.

Continuing Education

By completing the material on this DVD, the user will :

- Better understand Communications and DSP principles
- Apply SystemVue successfully toward real-world design issues
- Increase valuable technical skills

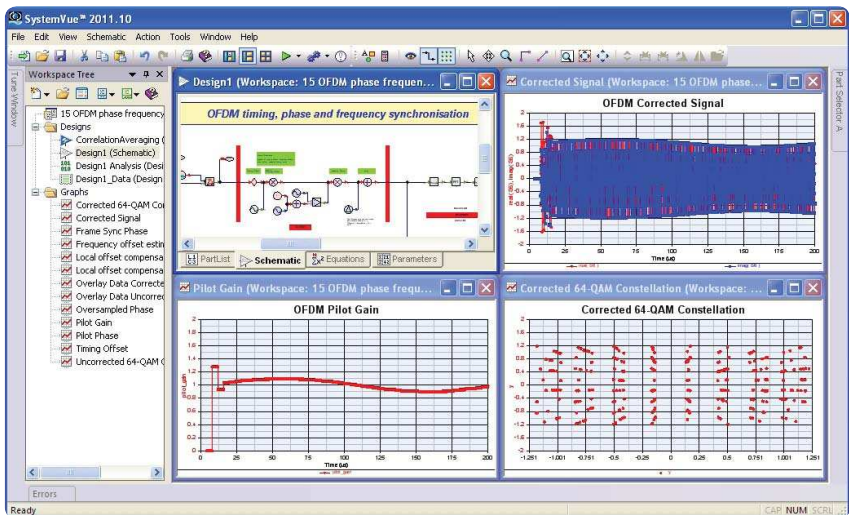


Figure. The N3520M DSPedia DVD not only provides a comprehensive library of theoretical training on today's emerging DSP and Communications techniques, it also provides product training and templates in Agilent SystemVue format, to get you started quickly. Pictured above is an OFDM Synchronization example.

N3520M DSPedia DVD at a glance

- **DSPedia curriculum**
 - Over 6000 pages of training in DSP, Comms, Standards, and VHDL
 - 94 hyperlinked short courses in PDF format
- **Agilent SystemVue product training and applications**
 - Self-paced 366 page workbook
 - Hands-on lab exercises cross-referenced to 287 working examples
- **Additional interactive materials and media**
 - "DSP A-to-Z", a 669-page reference
 - Over 300 Audio WAV samples illustrating signal processing techniques
- **Licensed for use by up to 5 engineers**



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SystemVue Training	DSPedia Curriculum
<ul style="list-style-type: none"> • 366-page self-paced workbook • Nearly 300 SystemVue workspaces for interactive, hands-on exploration 	<ul style="list-style-type: none"> • 94 short courses on a wide range of wireless, comms, DSP • Over 6000 pages of hyperlinked information

SystemVue Workbook chapters	Categories of the DSPedia
1. Introduction	1. Introduction to DSP
2. Getting Started with SystemVue	2. Advanced DSP
3. Time Domain Processing	3. Linear Algebra for DSP
4. Random Variables and Probability Density Functions	4. FPGAs for DSP
5. Frequency Domain Analysis	5. VHDL design
6. Digital Filtering	6. Digital Communications
7. Adaptive Digital Filtering	7. Advanced Communications
8. Oversampling	8. Mobile/Wireless Standards
9. Multirate Digital Signal Processing	9. 3G Mobile Communications
10. Digital Communications	
11. Channel Data Equalisation	
12. Channel Estimation	
13. Channel Coding	
14. Synchronisation	
15. Spread Spectrum and CDMA	
16. Orthogonal Frequency Division Multiplexing (OFDM)	
17. Fixed Point and Hardware Design	

For more information about SystemVue, please visit us on the web:

Product information

<http://www.agilent.com/find/eesof-systemvue>
<http://www.agilent.com/find/eesof-dspedia>

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Product specifications and descriptions in this document subject to change without notice.

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